4462

ANNUAL REPORT

ON THE

HEALTH

OF THE

CITY OF SHEFFIELD

For the Year 1929.

BUREAU OF HYGIENE & TROPICAL DISEASES
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JOHN RENNIE, M.D., D.P.H.,
Medical Officer of Health.

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CITY OF SHEFFIELD

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ERRATA.

Page 6. First line. *November 9, 1921*, should read *April 1st, 1929*
Page 11. Fourth line. (*11.34*) should be read after *1906*.
Page 12. Eleventh line. *1928* should read *1924*.
Page 106. First line. *lr.* should read *qrs.*

(*Sheffield M.O.H. Report, 1929*).

JOHN RENNIE, M.D., D.P.H.,
Medical Officer of Health.

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GENERAL STATISTICS.

Area (as extended November 9, 1921)		34,151 acres.
Population—1929 mean, as estimated by the Registrar General		518,000
Number of Structurally Separate Dwellings at Census 1921 (area as extended)		
In Occupation	110,228	
Not in Occupation	2,170	
		112,398
Rateable Value (October, 1929) After Derating		£2,673,211
Sum represented by a Penny Rate (October, 1929)		£10,252

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

	Total	Males	Females	
Births (Legitimate)	7,669	3,929	3,740	Birth Rate, 15·4
,, (Illegitimate)	307	166	141	
Deaths	6,850	3,606	3,244	Death Rate, 13·2

Number of women dying in, or in consequence of childbirth—from sepsis .. 27

from other causes 26

Deaths of Infants under one year of age per 1,000 births :—

Legitimate .. 84. Illegitimate .. 163. Total .. 88

Deaths from Measles (all ages)	14
,, Whooping Cough (all ages)	53
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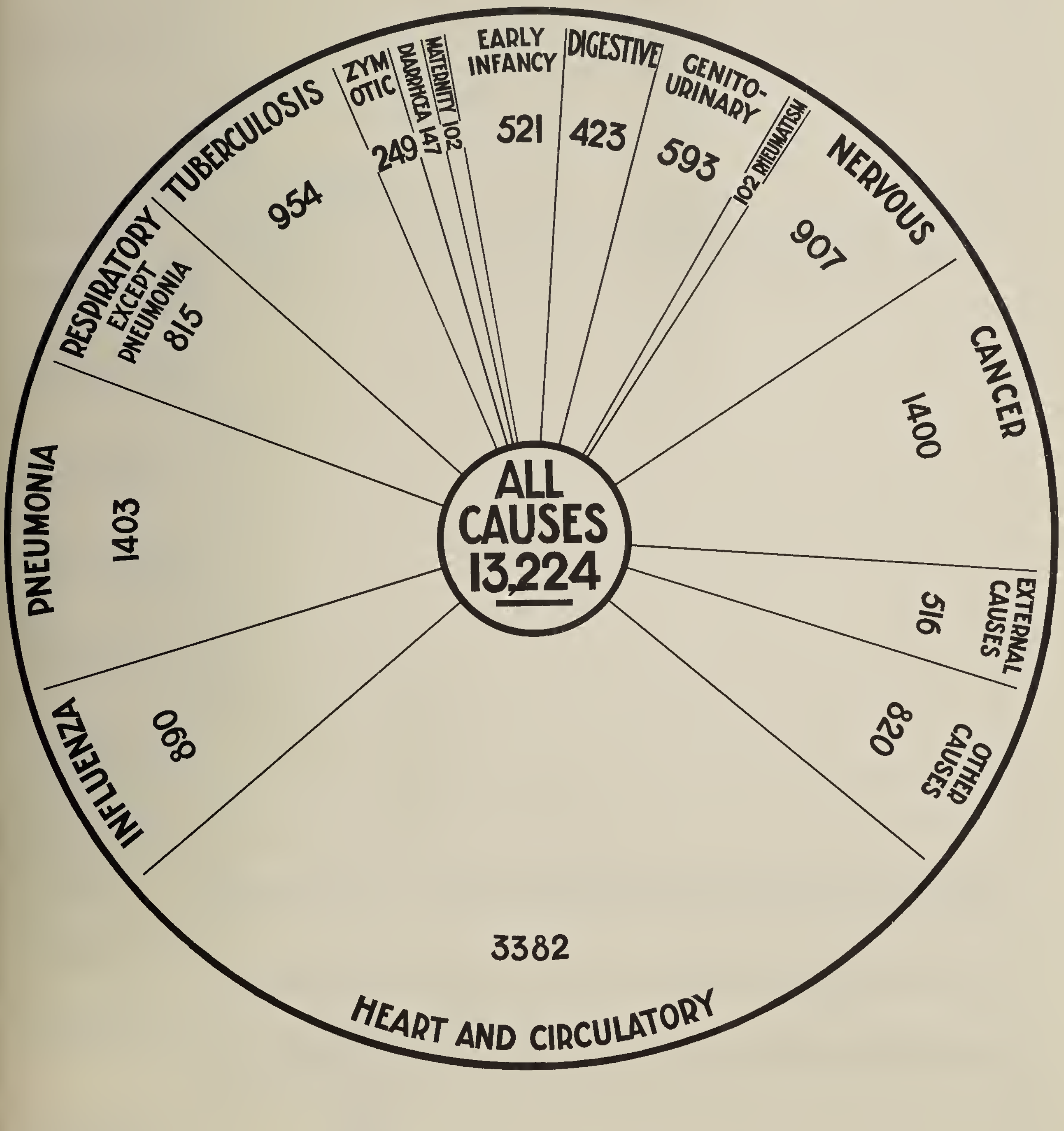
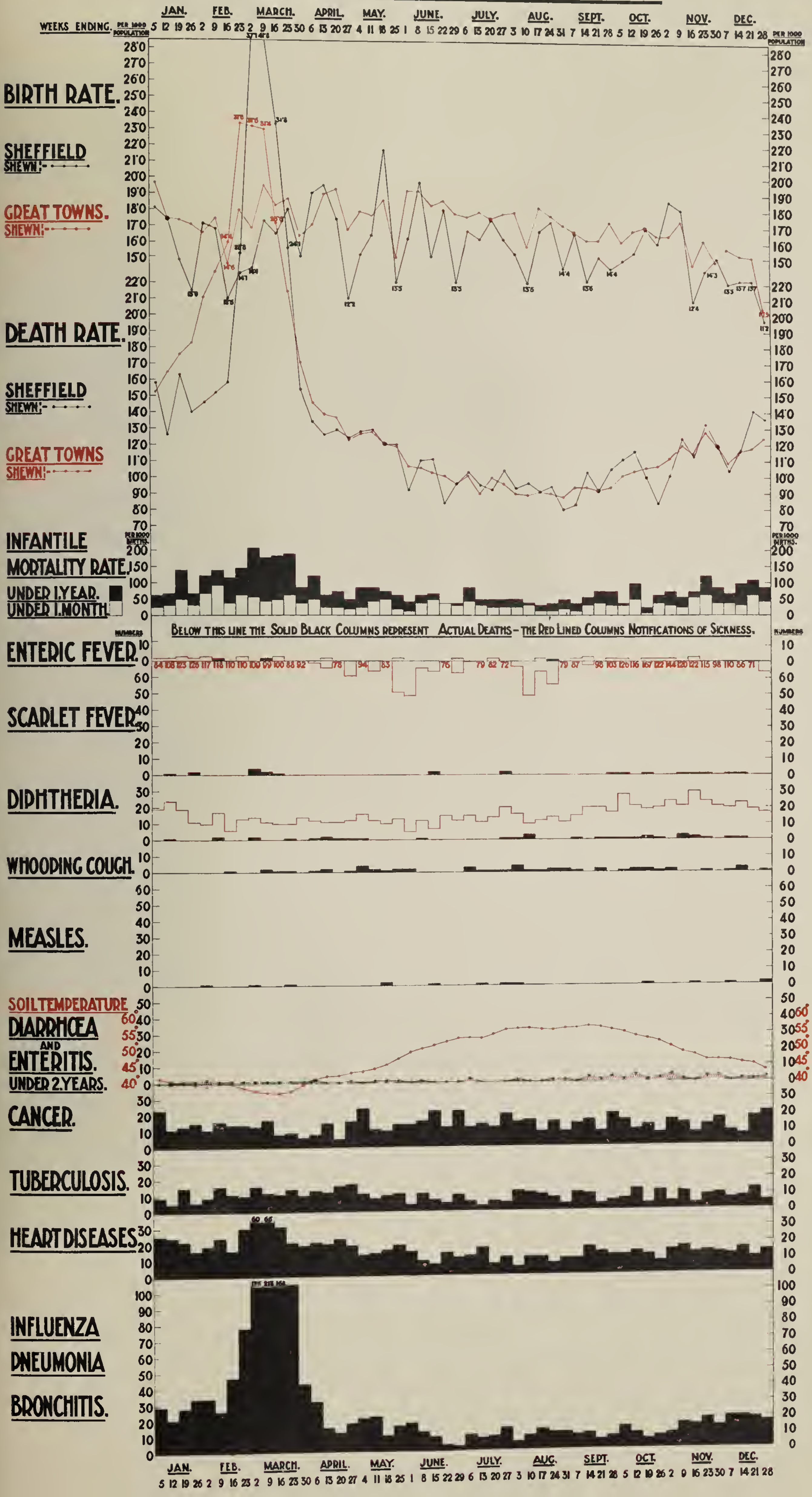
CITY OF SHEFFIELD.
DEATH RATES
PER MILLION LIVING.
YEAR 1929.



1929 CITY OF SHEFFIELD. 1929

VITAL AND MORTAL STATISTICS.



TOWN HALL,
SHEFFIELD,
JULY, 1930.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

We very much regret the death of our late Medical Officer of Health, Dr. F. E. Wynne, which occurred on the 22nd April, 1930.

It is unnecessary for me to dwell upon the loss the City has sustained thereby. As a colleague of Dr. Wynne's ever since he came to Sheffield in 1921, I have always had the greatest regard for my late chief and I feel very keenly the fact that I, as his successor, must complete the work upon which he was actually engaged at the time of his death. It was his custom to write a short introductory letter to his Annual Report on the Health of the City, but under the circumstances I beg to submit the report without further introduction.

I am,
Your obedient servant,
JOHN RENNIE,
Medical Officer of Health.

VITAL AND MORTAL STATISTICS.

Special Features.—The general death rate was the highest since 1920 but was lower than the rate for England and Wales. Owing to the Influenza epidemic during the spring of the year high rates were prevalent throughout the country. The Comparative Mortality table which appears on page 20 of this report shows that Sheffield had actually improved its position among the large towns of England and Wales as regards its death rate.

The Influenza death rate in Sheffield was the highest since the year 1919 and undoubtedly the effect of the epidemic was seen in the higher death rate from Pneumonia which increased by 34 per cent., Respiratory diseases other than Pneumonia which increased 21 per cent., Heart and Circulatory diseases 9 per cent. and Tuberculous diseases 6 per cent.

Scarlet Fever incidence was the highest since 1906, but in contrast, the mortality rate was only a twelfth of the rate for that year.

The Tuberculosis death rate was the highest since the year 1925. Sheffield's satisfactory position in the list of large towns, however, was well maintained during the year 1929.

There was a further increase in the mortality from Cancer which was the highest on record for Sheffield.

The Infantile Mortality rate was slightly higher than in 1928, during which year the rate was the lowest on record. Here again the excess was during the period of the Influenza epidemic.

The Maternal Mortality rate was higher than in 1928 whether stated as a ratio of total population or of total births during the year.

Area.—The area of the City was extended on 1st April, 1929 to include part of the Townships of Dore and Totley, detached portions of the parish of Derwent, a detached portion of the parish of Outseats, and part of the parish of Hathersage. The extension comprises an area of 2,535 Acres and the total area of the City as extended is 34,151 Acres.

Population.—The Registrar General's estimate of the population of Sheffield at the middle of 1929 was 518,000. This figure, although an increase of 2,600 on the previous year's estimate is still 1,239 below the 1921 Census figure of 519,239. The Registrar General's explanation is of interest. It reads as follows:—

"The process of estimating local populations is primarily that of distributing the total population of England and Wales amongst the 1,800 odd Boroughs, Urban Districts and Rural Districts which together make up the whole country. The estimate for an individual area is not the product of an isolated enquiry limited in its scope to purely local indications; it is definitely related to the estimates of all the other constituent areas of the country, and must take into account population movements which are complementary and reciprocal as between the area in question and a large number of contiguous or adjacent areas. . . . . Each annual process of estimation involves, in a sense, a fresh review of the whole period which has elapsed since the previous census, advantage being taken of any new material which has come to light to promote the progressive correction of the figures. In the present instance, in view of the special purposes which the estimates are required to serve, special efforts have been made to review the whole period for the purpose of eliminating any imperfections in previous estimates."

With regard to the figures showing the distribution of population of Registration Sub-Districts and Sections, which appear in Table V., the estimates have been based upon the 1921 Census, with additions in respect of new houses erected in these areas since 1921, and a pro rata reduction to bring the total down to the new estimate of the Registrar General.

TABLE A.—*Censuses 1911 and 1921. Percentage of each sex in quinquennial age groups.*

Ages	1911		1921	
	Percentages		Percentages	
	Males	Females	Males	Females
0— 4	12·0	11·8	—10·0	— 9·3
5— 9	11·0	10·7	—10·1	— 9·8
10—14	10·0	9·9	+10·4	+10·3
15—19	9·2	9·4	+ 9·4	+ 9·7
20—24	8·2	8·6	— 8·0	+ 8·9
25—29	8·7	8·8	— 7·7	— 8·2
30—34	8·6	8·3	— 7·1	— 7·3
35—39	7·9	7·4	— 7·4	— 7·3
40—44	6·4	6·0	+ 7·2	+ 6·9
45—49	5·2	5·0	+ 6·7	+ 6·1
50—54	4·1	4·1	+ 5·3	+ 4·8
55—59	3·2	3·2	+ 4·0	+ 3·7
60—64	2·4	2·5	+ 2·8	+ 2·9
65—69	1·6	1·9	+ 2·0	+ 2·2
70—74	0·9	1·2	+ 1·1	+ 1·4
75—79	0·4	0·6	+ 0·6	+ 0·8
80—84	0·2	0·3	= 0·2	= 0·3
85—89	0·0	0·1	= 0·0	= 0·1
90—94	0·0	0·0	= 0·0	= 0·0
95 and over	0·0	0·0	= 0·0	= 0·0

The signs +, —, and = show the comparison with 1911 figures—higher, lower, or equal.

Sex and Age Distribution.—The preceding Table, which is based upon 1921 Census reports, is introduced in order to show the age and sex distribution of the population of the City and the change which took place during the 10 years between 1911 and 1921.

MARRIAGES.—The marriage rate was 16.1, which was 0.3 higher than the rate for 1928. It was pointed out in the Annual Report for 1921 that for the first time on record the marriage rate was less in Sheffield than in England and Wales as a whole. The disparity was further accentuated in 1922, when the rate fell to 14.4 as compared with 15.7 for England and Wales. Sheffield's rate for 1922, moreover, was the lowest recorded for the City, whilst that for England had been lower than in 1922 in 17 of the 33 years shown in the Table. The rate for 1923 was the same for Sheffield as for England and Wales; in 1924-1926 it was slightly below that for England and Wales; in 1927, 1928 and 1929 the rate was slightly higher.

Table III gives marriages and rates for Sheffield and for England since 1890.

BIRTHS.—The number of live births registered during the year was 8,183 and the transferable births numbered 49 inwards and 256 outwards. The number of births allocated to Sheffield, therefore, was 7,976, which was less than in the preceding year by 462. The annual birth rate was 15.4 per 1,000 persons living. The average rate for the previous ten years was 19.8.

	Year	Births	Rate per 1,000
	1919	10,353	21.0
	1920	13,130	26.6
	1921	11,907	23.8
	1922	10,804	20.7
	1923	10,195	19.4
	1924	9,712	18.5
	1925	9,321	17.7
	1926	9,013	17.2
	1927	8,526	16.2
	1928	8,438	16.4
Average	1919-28	10,140	19.8
	1929	7,976	15.4

The birth-rate for 1929 is 4.4 lower than the average for the last decade, and is the lowest ever recorded in Sheffield.

Still births registered during 1929 totalled 384.

DEATHS.—The number of deaths of Sheffield residents during the year was 6,850 (3,606 male, 3,244 female), making a death rate of 13.22 per 1,000 living, which is 1.39 above 1928. The average death rate for the decade 1919-1928 was 12.2.

	Year	Deaths	Rate per 1,000
	1919	6,564	13.9
	1920	6,622	13.4
	1921	6,284	12.5
	1922	6,097	11.7
	1923	6,012	11.5
	1924	6,110	11.6
	1925	6,078	11.5
	1926	5,927	11.3
	1927	6,436	12.3
	1928	6,099	11.8
Average	1919-28	6,223	12.2
	1929	6,850	13.2

A comparison of the death rate of Sheffield with that of England and Wales in quinquennia is given in the following table. It will be noted that for the periods 1921-25 and 1926-29 Sheffield's rate was below that for England and Wales. The lower mortality in Sheffield from Diphtheria, Influenza and Cancer accounts for this to some extent. In the later period the lower Tuberculosis mortality is a contributing factor.

Quinquennial Periods	Mean Annual Mortality Rate per 1,000 of the Population. Sheffield	England
1871-1875	26.8	22.0
1876-1880	24.2	20.8
1881-1885	21.6	19.4
1886-1890	22.1	18.9
1891-1895	20.9	18.7
1896-1900	20.6	17.7
1901-1905	18.2	16.1
1906-1910	16.4	14.7
1911-1915	15.9	14.3
1916-1920	15.7	14.4
1921-1925	11.8	12.2
1926-1929 (4 yrs.)	12.2	12.3

SMALL-POX.—There were 8 cases of Small-Pox notified during the year, all of whom recovered.

MEASLES.—The number of cases notified voluntarily during 1929 was 21, 8 of which were removed to the City Fever Hospital, Lodge Moor.

The mortality rate for the year was 0.03, the lowest recorded with the exception of that for 1923, 0.02. The average rate for the five years 1924-28 was 0.14 per annum. The number of deaths in 1929, 14, contrasts very strongly with that for 1911, the peak year, when 790 died. It has been found that the mortality rate alternates between high and low. As a matter of fact we are in the current year having to deal with a much larger number of cases.

The following table will be interesting in this connection :—

Mortality Rate per Million in Sheffield from Measles—10 years—1920-1929.

Year	Mortality Rate
1920	233
1921	82
1922	293
1923	19
1924	217
1925	59
1926	136
1927	44
1928	229
1929	27

Scarlet Fever.—The death rate from Scarlet Fever was 0.04 per 1,000 of the population, which has to be compared with an average annual rate of 0.03 for the quinquennium 1924-28; and the attack rate was 9.05 per 1,000, as against 3.86 for the quinquennium 1924-1928. The 1929 attack rate, 11.34, was the highest since 1906. During that year the mortality rate reached the high figure of 0.53, 12 times that for 1929.

The very low mortality proves that this disease is of a very mild type at the present time.

Diphtheria.—The death rate from Diphtheria was 0.07 per 1,000 of the population, the same as for the quinquennium 1924-1928. The attack rate during 1929 was 1.47 as compared with 1.60 for 1928 and 1.56 for the quinquennium 1924-28.

It is interesting to note that 94% of the notified cases were treated at the City Fever Hospital. This is a record figure for the hospital treatment of diphtheria in our city.

Whooping Cough.—The mortality from this disease was at the rate of 0.10 per 1,000 living. The average for the quinquennium 1924-1928 was 0.12.

Typhoid Fever.—The number of typhoid cases notified during the year 1929 was 28, giving an attack rate of 0.054 per 1,000 living, which has to be compared with an average for the quinquennium 1924-28 of 0.086. Five deaths were recorded, giving a rate of 0.01 per 1,000 living.

At one time we looked forward with absolute certainty to the increase of Typhoid Fever in the Autumn, but since 1914 there has been no autumnal increase in the prevalence of Typhoid Fever.

Diarrhœa and Enteritis, under Two Years of Age.—The death rate among infants under two from Diarrhœa and Enteritis during 1929 was 0.10 per 1,000 persons living. the death rates in recent years have been as follows:—0.13 in 1928, 0.13 in 1927, 0.24 in 1926, 0.16 in 1925, 0.17 in 1924, 0.24 in 1923, 0.15 in 1922, and 0.46 in 1921.

The great improvement in the prevalence of Diarrhœa can only be attributed to the greater attention given to Child Welfare, the activities of the Women Inspectors, especially their educational work, and the large substitution of Dried Milk for fluid milk; the measures taken for the prevention of fly breeding, and instructions to the public as to the danger of flies, the abolition of privy middens in the congested parts of the town, and the campaign against unpaved yards.

Cerebro-Spinal Fever.—During the year there were seven notified cases of Cerebro-Spinal Fever, with five deaths.

Acute Poliomyelitis.—Three cases of Acute Poliomyelitis or Polioencephalitis were notified as against 12 in 1928, 18 in 1927, 6 in 1926, 16 in 1925, 53 in 1924, one in 1923, and 20 in 1922. No deaths occurred during 1929.

TABLE B.—*Diseases made notifiable during 1919.*

	Cases Notified										
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Encephalitis Lethargica ...	7	17	14	8	9	337	54	41	24	18	13
Pneumonia—Acute Primary and Acute Influenzal ...	842	1759	1275	2367	2832	3347	3219	2643	3154	2693	3389
Dysentery	5	2	2	1	2	1	1	...	...	1	1
Malaria	78	21	13	7	4	1	2	2	4	1	1

All the notified cases of Dysentery and Malaria were contracted abroad, with the exception that in the case of two Malaria patients notified in 1923, and one Dysentery in 1929, there was an element of doubt; both Malaria patients had served with H.M. Forces abroad.

Encephalitis Lethargica.—As mentioned in the 1924 report, that year was unfortunately noteworthy for a very severe outbreak of Encephalitis Lethargica. The first case was notified on January 14th, and the total number of notifications, in which the diagnosis was, as far as possible, confirmed, was 301. The number of deaths was 40, giving a fatality rate of 13 per cent. 54 cases were notified during 1925, and the deaths registered totalled 21. 41 cases were notified during 1926, and 18 deaths were registered. 24 cases were notified during 1927 and 19 deaths were registered; 18 cases were notified during 1928, and 10 deaths were registered; and during 1929 13 cases were notified, and 12 deaths were registered. It is impossible to give a fatality rate except in the epidemic year 1924, the deaths now being registered refer chiefly to cases in which the disease was contracted in 1928.

Influenza.—It will be remembered that the prevalence of Influenza was world-wide in 1918. All parts of the country have been visited by minor epidemics in each year since then. Below are set out the mortality rates per 1,000 living for the years 1918 onward in Sheffield and in the whole country. The epidemic of 1929 was again more widespread and was responsible for the increase in the General Death Rate, causing as it did a rise in mortality from Pneumonia, Tuberculosis of Lung, Heart Diseases, etc.

	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Sheffield	4.55	1.10	0.86	0.47	0.23	0.51	0.35	0.23	0.24	0.48	0.17	0.89
England and Wales	3.08	1.18	0.28	0.24	0.56	0.22	0.49	0.33	0.23	0.57	0.20	0.74

Pneumonia.—It has been the practice since the beginning of 1922 until recently to draw the attention of the medical attendant to failure to notify whenever an unnotified case of Pneumonia has appeared in the death returns. This has resulted in practically every case of fatal Pneumonia being notified prior to death, and has made the incidence of Pneumonia in Sheffield apparently excessive as compared with other towns.

Every case notified and treated at home is visited by the Queen's nurses.

The percentage of cases removed to the City Fever Hospital during 1929 was 9.4.

The following table shows the number and the percentage of cases removed to the City Fever Hospital in each year since 1919, when the disease was made compulsorily notifiable:

TABLE C.—*Pneumonia.—Cases notified, removed to the City Fever Hospital, and percentage removed. Years* 1919 *to* 1929.

	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Cases Notified ...	842	1759	1275	2367	2832	3347	3219	2643	3154	2693	3389
Cases removed to City Fever Hospital	196	518	526	343	452	578	562	466	357	328	318
Percentage of Cases removed ...	23·3	29·4	41·3	14·5	16·0	17·3	17·5	17·6	11·3	12·2	9·4

The smaller number of cases removed to the City Fever Hospital was necessitated by the pressure on beds owing to the epidemic of Scarlet Fever.

Particulars are given below with regard to mortality from Pneumonia in males and females during 1929 and the previous five years. As pointed out in the notes on Influenza the epidemic was responsible for the increase in the Pneumonia mortality rate.

TABLE D.—*Pneumonia Mortality.*

Year	Deaths			Rate per 1,000	Rate per 1,000 England and Wales
	Males	Females	Total		
1924	357	222	579	1·10	1·00
1925	347	236	583	1·11	0·95
1926	333	212	545	1·04	0·83
1927	410	255	665	1·27	0·95
1928	334	205	539	1·05	0·79
Average for 5 years	356	226	582	1·11	0·90
1929	439	288	727	1·40	1·11

Bronchitis.—The mortality in the sexes during 1929 and the quinquennium 1924-28 is set out in the table below. The figures compare favourably with those for England.

TABLE E.—*Bronchitis Mortality.*

Year	Deaths			Rate per 1,000	Rate per 1,000 England and Wales
	Males	Females	Total		
1924	241	239	480	0·91	0·97
1925	242	207	449	0·85	0·91
1926	201	157	358	0·68	0·77
1927	183	217	400	0·76	0·84
1928	162	124	286	0·56	0·59
Average for 5 years	206	189	395	0·75	0·82
1929	171	193	364	0·70	0·84

Cancer.—The mortality from Cancer in the sexes during 1929 and the previous five years is set out below. With slight variation in the rate from year to year a steady rise is recorded. Sheffield's figure however has been consistently below that for England and Wales.

TABLE F.—*Cancer Mortality.*

Year	Deaths			Rate per 1,000	
	Males	Females	Totals	Sheffield	England and Wales
1924	339	314	653	1·24	1·30
1925	361	336	697	1·32	1·34
1926	316	306	622	1·19	1·36
1927	392	336	728	1·39	1·38
1928	337	369	706	1·37	1·43
Average for 5 years	349	332	681	1·30	1·36
1929	404	321	725	1·40	1·44

Tuberculous Diseases.—The death rate from Tuberculous Diseases declined steadily from 1901 to 1910, but during the next four years there was a setback in the decline ; and during the years of the War there was a decided tendency to increase. There was again a marked decline in 1919, and the improvement has been maintained, although with slight fluctuations.

The death rates from all Tuberculous Diseases during 1929 and the previous 20 years were as follows:—

1909	1·57	1916	1·73	1923	1·03
1910	1·39	1917	1·82	1924	1·02
1911	1·59	1918	1·84	1925	0·99
1912	1·67	1919	1·28	1926	0·93
1913	1·64	1920	1·19	1927	0·89
1914	1·68	1921	1·24	1928	0·94
1915	1·78	1922	1·22	1929	0·95

The deaths from Tuberculosis of the Lung alone gave a rate of 0.79 per 1,000 living during 1929. The average for the quinquennium 1924-1928 was 0.76.

The following shows sex mortality during 1929 and the previous 10 years:—

TABLE G.—*Tuberculosis Mortality in Sexes.*

Year	Tuberculosis Deaths						Total Deaths
	Respiratory		Other Forms		All Forms		
	Males	Females	Males	Females	Males	Females	
1919	286	186	71	56	357	242	599
1920	293	169	54	74	347	243	590
1921	307	193	64	55	371	248	619
1922	349	188	50	49	399	237	636
1923	265	183	50	41	315	224	539
1924	286	145	60	46	346	191	537
1925	261	156	57	47	318	203	521
1926	243	147	49	46	292	193	485
1927	253	116	39	60	292	176	468
1928	255	129	55	43	310	172	482
1929	267	141	49	37	316	178	494

The notifications of Tuberculosis of Lung since 1911, the year of opening the Tuberculosis Dispensary, were as follows:—

1911	836 cases.	1920	1139 cases.
1912	981 ,,	1921	1255 ,,
1913	1033 ,,	1922	1313 ,,
1914	948 ,,	1923	1414 ,,
1915	1219 ,,	1924	1464 ,,
1916	1351 ,,	1925	1364 ,,
1917	1544 ,,	1926	1600 ,,
1918	1472 ,,	1927	1762 ,,
1919	1001 ,,	1928	1844 ,,
		1929	1920 ,,

The notifications of Tuberculosis of organs other than the lungs since 1914—the first full year after the commencement of notification—were as follows:—

1914	458 cases.	1922	275 cases.
1915	373 ,,	1923	308 ,,
1916	433 ,,	1924	341 ,,
1917	492 ,,	1925	292 ,,
1918	387 ,,	1926	237 ,,
1919	234 ,,	1927	207 ,,
1920	253 ,,	1928	201 ,,
1921	254 ,,	1929	172 ,,

Table H which follows, gives a comparison of the death rates from All Forms of Tuberculosis and Respiratory Tuberculosis in England and Wales and the 17 other large towns, for the years 1920 to 1929. The Chart which accompanies the Table shows very graphically the rise during the war years and the subsequent fall. Sheffield's improved position is clearly indicated.

It will be seen that in 1929 Sheffield's death rate from Tuberculosis was less than that of any other town with the exception of Plymouth, Portsmouth and Croydon. It was very considerably less than most of them, and, as regards Respiratory Tuberculosis, actually less than the death rate for England and Wales.

Sheffield's favourable position as regards its death rate from Tuberculosis is due to many factors, the most important of which are

(1) Complete co-operation on the part of the general practitioners in the Tuberculosis scheme.

(2) Adequate Sanatorium and Hospital accommodation for all citizens who are suffering from Tuberculosis or even suspected to be suffering from Tuberculosis.

(3) The treatment of a large number of early cases of Tuberculosis discovered by means of the examination of contacts of notified cases.

(4) Intensive work with regard to the isolation of infectious cases of Tuberculosis either in Hospital or in their own homes; and latterly

(5) The re-housing scheme for infectious cases of Tuberculosis living under such conditions that isolation is impossible.

In addition to this, the admirable work of Dr. C. Lee Pattison, both at the King Edward VII Sanatorium for Surgical Tuberculosis and at the Tuberculosis Dispensary, has done much to reduce the death rate of Other Forms of Tuberculosis. In 1929 there was not a single death due to Tuberculosis of the Joints and the death rate from Non-Pulmonary Tuberculosis as a whole, namely, 166 per million, is the lowest ever recorded for the city.

A full report of the work of Dr. C. Lee Pattison as Surgical Tuberculosis Officer, is given on pages 80-81.

TABLE H.—*Tuberculosis, All Forms, and Tuberculosis of the Respiratory System. Mortality per Million Living. England and Wales and Towns over 200,000 Population. Years 1920-1929.*

Towns	1920		1921		1922		1923		1924		1925		1926		1927		1928		1929	
	All Forms	Respy.	All Forms	Respy.	All Forms	Respy.	All Forms	Respy.	All Forms	Respy.	All Forms	Respy.	All Forms	Respy.	All Forms	Respy.	All Forms	Respy.	All Forms	Respy.
England & Wales	1131	889	1127	884	1121	889	1062	836	1058	841	1038	833	961	771	972	791	928	755	959	793
Birmingham ...	1093	918	1115	939	1108	931	1067	885	1109	943	1144	953	1097	948	1078	911	994	863	1086	936
Liverpool ...	1722	1399	1676	1268	1655	1321	1608	1251	1526	1242	1514	1210	1486	1224	1383	1146	1394	1188	1459	1212
Manchester ...	1492	1218	1653	1319	1602	1275	1534	1245	1506	1205	1577	1330	1439	1211	1410	1189	1320	1127	1404	1207
SHEFFIELD ...	**1181**	**928**	**1228**	**974**	**1209**	**1001**	**1023**	**851**	**1027**	**813**	**993**	**793**	**925**	**740**	**886**	**699**	**925**	**745**	**954**	**788**
Leeds	1538	1211	1383	1091	1416	1129	1371	1068	1410	1088	1294	1068	1241	991	1166	965	1139	956	1298	1062
Bristol	1215	985	1100	935	1323	1060	1209	949	1137	917	1200	946	1158	952	1219	1037	1014	876	1192	1031
West Ham ...	1303	1091	1274	1013	1193	957	1177	951	1191	970	1174	970	1143	953	1107	945	1121	942	1125	979
Hull	1317	984	1443	1086	1412	1017	1233	983	1354	1071	1271	1026	1205	1005	1237	971	1220	1011	1240	1044
Bradford ...	1125	932	1192	924	1033	779	1069	839	1072	858	1010	806	1029	828	1003	791	995	815	1010	840
Newcastle ...	1814	1379	1634	1246	1499	1158	1476	1099	1459	1119	1561	1209	1489	1170	1390	1106	1321	1044	1355	1090
Nottingham ...	1160	879	1152	901	1247	993	1181	899	1184	943	1208	1009	1086	866	1155	945	1107	953	1263	1068
Stoke-on-Trent	1479	1099	1515	1197	1380	1096	1228	978	1158	896	1323	986	1332	994	1394	1080	1151	937	1221	1035
Portsmouth ...	1156	929	1176	906	1175	909	1045	854	1228	1000	1121	867	989	790	1004	784	960	756	938	793
Salford	1660	1360	1644	1355	1662	1359	1627	1353	1588	1284	1663	1398	1516	1261	1708	1401	1408	1205	1324	1171
Leicester ...	1463	1179	1467	1181	1541	1286	1439	1222	1493	1208	1599	1322	1382	1163	1457	1208	1252	1077	1350	1105
Cardiff	1605	1336	1534	1238	1568	1287	1693	1340	1521	1247	1515	1308	1263	1077	1543	1277	1213	1010	1338	1137
Plymouth ...	1238	990	1301	1051	1352	1093	1321	1067	1275	1032	1192	953	1132	918	1162	959	992	792	889	777
Croydon ...	1042	858	1018	856	1128	972	1055	843	974	806	923	753	1010	821	968	794	951	766	895	765
Averages for Towns	*1367*	*1093*	*1361*	*1082*	*1361*	*1090*	*1298*	*1038*	*1290*	*1036*	*1293*	*1050*	*1218*	*995*	*1239*	*1012*	*1138*	*948*	*1186*	*1002*

The whole of the rates figures have been taken from the Registrar General's "Statistical Review," with the exception of those for 1929, which have been obtained from the respective towns.

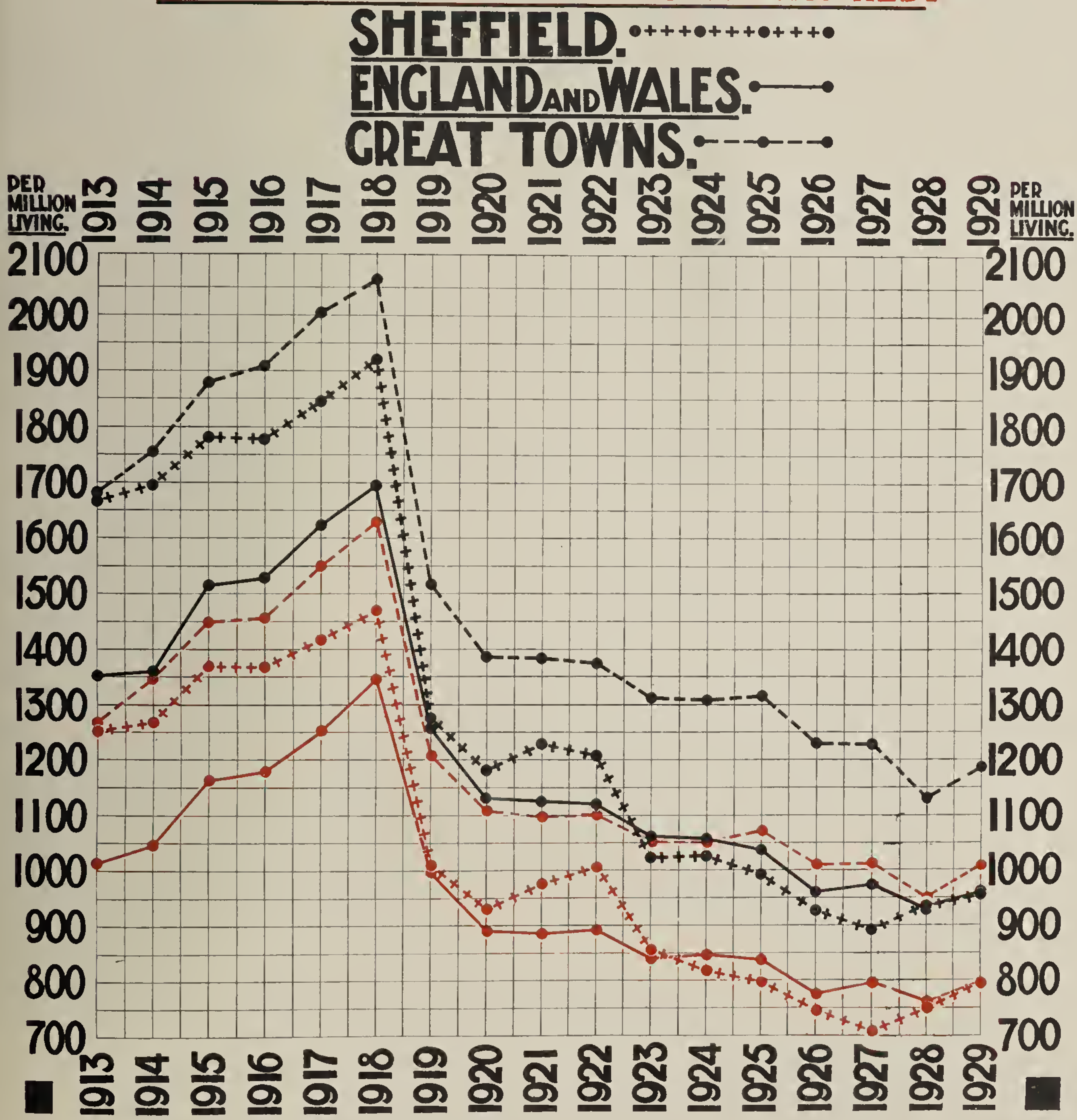
TUBERCULOSIS.

MORTALITY PER MILLION LIVING IN SHEFFIELD AND THE GREAT TOWNS WITH 200,000 POPULATION, ALSO ENGLAND AND WALES, DURING THE YEARS

1913 TO 1929

TUBERCULOSIS - ALL FORMS SHEWN-BLACK.

TUBERCULOSIS-OF THE LUNG SHEWN-RED.



The black spot as regards Tuberculosis in Sheffield is the grinding industry.

TABLE I.—*Mortality among Grinders and all persons over* 15 *years of age,* 1886 *to* 1929— *in Quinquennia.*

		1886-90	1891-5	1896-1900	1901-5	1906-10	1911-15	1916-20	1921-25	1926-29 4 years
GRINDERS	*All causes.* Total Deaths	536	548	529	605	573	607	581	515	335
	Tuberculosis of Lung. Total Deaths ..	191	207	199	291	295	322	224	201	130
	Percentage of Deaths due to Tuberculosis of Lung	35·6	37·8	37·6	48·1	51·5	53·5	38·6	39·0	38·8
ALL PERSONS OVER 15 YEARS OF AGE.	*All Causes.* Total Deaths	17371	17519	18102	19248	20342	22045	24890	22671	20208
	Tuberculosis of Lung. Total Deaths ..	2504	2341	2292	2513	2354	2787	2641	2192	1504
	Percentage of Deaths due to Tuberculosis of Lung	14·4	13·4	12·7	13·1	11·6	12·6	10·6	9·7	7·4

Table I shows that the percentage of deaths among grinders due to Tuberculosis of the Lung has not decreased during the last 44 years, whereas the percentage of deaths due to Tuberculosis amongst all persons over the age of 15 years has decreased by 50%.

TABLE J.—*Pulmonary Tuberculosis in Sheffield.—Mortality Rates among Workers in Unhealthy Trades, and among All Persons over* 15 (*for comparison*), *during the years* 1924-1929.

Trades	Workers employed over 12 years of age (Census 1921).	Mortality from Respiratory Tuberculosis.											
		Number of Deaths						Rate per 1,000					
		1924	1925	1926	1927	1928	1929	1924	1925	1926	1927	1928	1929
Grinders ...	4,893	35	31	28	38	30	33	7·2	6·3	5·7	7·8	6·1	6·8
Cutlers ...	3,940	11	11	12	10	4	8	2·8	2·8	3·0	2·5	1·0	2·0
Filecutters ...	2,011	7	2	3	2	...	...	3·5	1·0	1·5	1·0	...	...
All persons over 15 years of age in Sheffield	358,306	414	398	371	353	372	402	1·1	1·1	1·0	1·0	1·0	1·1

Table J shows that the death rate from Tuberculosis among grinders is six times that of all persons over 15 years of age in Sheffield.

INFANT MORTALITY.—The number of deaths of Infants under one year of age was 698, as compared with 619 in 1928, 774 in 1927, 712 in 1926, 788 in 1925, 871 in 1924, 915 in 1923, 884 in 1922, and 1,173 in 1921. The number of births registered in 1929 was 7,976. Infant Mortality is usually recorded as the number of deaths occurring under the age of twelve months per 1,000 births registered during the same period, and the rate for 1929 calculated in this manner is 88 per 1,000, 15 per 1,000 higher than in 1928, during which year a new low record was achieved.

Deaths of infants occurring before the first month of life was reached numbered 315. This gives a rate of 39 per 1,000 births registered, or what is known as the neo-natal mortality. The neo-natal mortality for 1928 was 38, 1927 was 40, for 1926, 23; for 1925, 37; for 1924, 44; for 1923, 39; for 1922, 39; and for 1921, 41.

The following Table gives alongside the Infant Mortality Rates for England and for Sheffield during the past 20 years.

TABLE K.—*Infant Mortality.*

Year	Infant Mortality Sheffield	England	Excess over English Rate	Year	Infant Mortality Sheffield	England	Excess over English Rate
1910	127	105	22	1920	104	80	24
1911	141	130	11	1921	99	83	16
1912	107	95	12	1922	82	77	5
1913	128	108	20	1923	90	69	21
1914	132	105	27	1924	90	75	15
1915	133	110	23	1925	85	75	10
1916	109	91	18	1926	79	70	9
1917	104	96	8	1927	91	70	21
1918	128	97	31	1928	73	65	8
1919	96	89	7	1929	88	74	14

If the principal causes of deaths of infants as set forth in the following table be examined, it will be seen that the usual biennial fluctuations in the fatality of Whooping Cough and Measles took place. These fluctuations are due to the presence in our population of new born susceptible children and we are largely powerless to control them owing to the overcrowded conditions which at present obtain, and which make efficient nursing on the part of the working class mother very difficult.

Although the incidence of Scarlet Fever was the highest since 1906 the mortality from this disease was negligible. Only one infant died in 1929.

The most pronounced causes of death were Influenza, Pneumonia and Bronchitis and occurred in the spring months of the year. This excess in respiratory deaths was undoubtedly associated with the Influenza epidemic. We also experienced a very cold spell of weather which synchronised with the epidemic and no doubt contributed to the high mortality among infants.

Deaths from Diarrhœa and Enteritis fell from 105 in 1923 to 67 in 1924, but rose to 109 in 1926. Since that year there has been a steady decline. Once more the relationship between these diseases and the sub-soil (four-foot) temperature, which used to be so constant, failed to re-appear.

Among the most important factors in bringing about this decline in infant mortality must be placed the extended use of dried milk in feeding and the work of the medical staff and women inspectors.

TABLE L.—*Infant Mortality from stated causes in* 1924—1929.

Cause of Death	Number of Deaths					
	1924	1925	1926	1927	1928	1929
Measles	35	7	16	6	23	4
Scarlet Fever	...	...	...	1	...	1
Whooping Cough	13	52	9	56	4	20
Diphtheria	2	2	7	1	4	2
Tuberculous Meningitis	3	3	5	7	7	10
Abdominal Tuberculosis	2	2	...	1	...	3
Other Tuberculous Diseases	2	1	5	...	1	1
Influenza	9	7	5	17	4	17
Bronchitis	69	69	42	59	29	42
Pneumonia (all forms)...	134	127	108	136	98	169
Diarrhœa and Enteritis	67	74	109	61	56	44
Syphilis	13	12	2	6	8	2
Congenital Malformation	42	40	35	46	42	35
Premature Birth	248	186	195	184	186	175
Atrophy, Debility, and Marasmus ...	68	46	54	52	44	51
Other Causes	164	160	120	141	113	122
Totals	871	788	712	774	619	698

1929 Infant Mortality Rate :—Legitimate, 84 ; Illegitimate, 163.

REGISTRATION SUB-DISTRICTS AND SECTIONS.

A full description of the boundaries of the Sections adopted as statistical units was given in the Annual Report for 1923. Owing to the different enumeration areas adopted in connection with the 1921 Census, the boundaries between Broomhall A and B, and Ecclesall North A and B, have had to be slightly altered. The area involved is in one case 12 acres and in the other 3 acres. With these exceptions the areas remain the same.

Table V gives the estimated population, the density of the population, death rates from all causes and from certain specified causes, infant mortality rates, and birth rates, in each of the statistical units of the City, and sickness from the notifiable infectious diseases is given in Table XVIII.

With regard to mortality in the statistical areas, while the boundaries of the areas as given in the tables do not accurately conform to the different residential and industrial portions of the City, it will nevertheless be seen that the death rates are, on the whole, higher in the overcrowded and smoky industrial neighbourhoods than in the residential parts. This contrast is, however, very much less marked in recent years.

POSITION OF SHEFFIELD AMONGST THE LARGEST TOWNS.

Table M shows the birth rates, death rates, and infant mortality rates in the 18 largest towns of England and Wales during 1929. The birth rates vary from 21·6 in Liverpool to 15·0 in Bradford. Fourteen of the eighteen towns had higher rates than Sheffield. The death rates vary from 12·6 in Croyden and Plymouth to 16·5 in Leeds. Sheffield ranks sixth lowest with 13·2. The infant mortality rates vary from 60 in Plymouth to 125 in Salford. Ten of the towns have lower rates than Sheffield.

TABLE M.—*Birth Rates and Death Rates in Towns with* 200,000 *Population for the year* 1929.

Town	Population	Crude Birth Rate per 1,000	Crude Death Rate per 1,000	Infant Mortality
Birmingham	†981,000	17·1	13·5	79
Liverpool	†872,802	21·6	15·1	96
Manchester	†770,655	16·9	15·3	97
SHEFFIELD	**‡518,000**	**15·4**	**13·2**	**88**
Leeds	‡478,500	15·5	16·5	97
Bristol	‡391,000	15·6	12·9	60
West Ham	‡307,600	18·7	12·8	74
Hull	‡299,900	20·3	15·2	104
Bradford	‡289,200	15·0	15·7	80
Newcastle	*‡283,400	18·1	13·8	85
Stoke	‡279,200	19·0	15·1	105
Nottingham	‡266,800	17·0	15·4	96
Leicester	‡245,200	15·3	13·9	80
Salford	‡235,600	16·6	15·4	125
Portsmouth	*‡242,000	16·8	13·8	66
Cardiff	‡224,200	17·5	12·9	84
Croydon	‡222,300	15·3	12·6	65
Plymouth	‡213,500	16·5	12·6	60

* Excluding non-civilians.
† Local estimate.
‡ Registrar General's estimate.

STATISTICAL TABLES.

TABLE I.—*Population, Estimated Increase or Decrease, and Natural Increase, 25 Years.*

Year.	Estimated Mean Population (per Registrar-General.)	Estimated Increase or Decrease.	Excess of Births over Deaths.
1905	427,850	+ 4,495	5,576
1906	432,395	+ 4,545	5,945
1907	436,986	+ 4,591	6,353
1908	441,630	+ 4,644	6,931
1909	446,321	+ 4,691	6,198
1910	451,065	+ 4,744	6,238
1911	455,817	+ 4,752	5,288
*1912	466,408	+10,591	6,226
1913	471,662	+ 5,254	5,842
*1914	476,971	+ 5,309	5,214
1915	476,012	— 959	3,966
1916	465,494	—10,518	4,752
1917	469,293	+ 3,799	4,134
1918	465,217	— 4,076	1,014
1919	473,695	+ 8,478	3,789
1920	492,700	+19,005	6,508
*1921	519,239	+26,539	5,623
1922	522,600	+ 3,361	4,707
1923	524,200	+ 1,600	4,183
1924	525,000	+ 800	3,602
1925	526,900	+ 1,900	3,243
1926	523,300	— 3,600	3,086
1927	524,900	+ 1,600	2,090
1928	515,400	— 9,500	2,399
*1929	518,000	+ 2,600	1,126

* City extended April 1st, 1912 ; October 1st, 1914 ; November 9th, 1921, and April 1st, 1929

TABLE II.—*Registration Sub-Districts and parts of Registration Sub-Districts, together with the Municipal Wards or parts contained therein.*

Registration Sub-Districts.	Municipal Wards.
Sheffield North	St. Philip's ; St. Peter's (part).
Sheffield South	St. Peter's (part) ; Moor (part).
Sheffield Park	Manor ; Park ; Heeley (part).
Brightside West	Neepsend (part) ; Burngreave (part) ; Firth Park (part).
Brightside East	Burngreave (part) ; Firth Park (part) ; Brightside (part).
Attercliffe	Attercliffe (part) ; Tinsley (part).
Darnall	Darnall ; Attercliffe (part) ; Tinsley (part).
Handsworth	Handsworth.
Tinsley (part of S.E. R'ham.) ...	Tinsley (part).
Hillsbro'	Hillsbro' (part) ; Owlerton (part).
Bradfield (part)	Hillsbro' (part).
Ecclesfield (part)	Hillsbro' (part) ; Neepsend (part) ; Firth Park (part) ; Brightside (part).
Ecclesall North	Walkley ; Owlerton (part).
Ecclesall West Central	Crookesmoor ; St. Peter's (part) ; Hallam ; Broomhill (part).
Ecclesall South (including Norton)	Ecclesall ; Nether Edge ; Woodseats ; Heeley (part).
Broomhall	Sharrow ; Moor (part) ; Broomhill (part).

TABLE III.—*Marriages and Marriage Rates in Sheffield and in England and Wales since* 1890.

Year.	Total Number of Marriages in Sheffield.	Persons married per 1,000 in Sheffield.	Persons married per 1,000 in England and Wales.
1890	3,174	19·7	15·5
1891	3,128	19·2	15·6
1892	3,091	18·7	15·4
1893	2,797	16·6	14·7
1894	3,215	18·8	15·0
1895	2,810	16·2	15·0
1896	3,322	18·8	15·7
1897	3,465	19·3	16·0
1898	3,496	19·2	16·2
1899	3,663	19·8	16·5
1900	3,508	18·7	16·0
1901*	3,640	18·8	15·9
1902	3,682	17·8	15·9
1903	3,506	16·7	15·7
1904	3,507	16·5	15·3
1905	3,466	16·2	15·3
1906	3,943	18·2	15·7
1907	4,004	18·3	15·9
1908	3,419	15·5	15·1
1909	3,445	15·4	14·7
1910	3,639	16·1	15·0
1911	3,726	16·3	15·2
1912*	3,885	16·7	15·5
1913	4,077	17·3	15·5
1914*	4,062	17·0	15·9
1915	4,905	20·6	19·3
1916	4,256	18·3	14·9
1917	3,968	15·2	13·8
1918	4,066	15·6	15·3
1919	4,947	20·1	19·7
1920	5,075	20·6	20·1
1921*	4,089	16·3	16·9
1922	3,774	14·4	15·7
1923	3,990	15·2	15·2
1924	3,951	15·1	15·3
1925	3,987	15·1	15·2
1926	3,660	14·0	14·3
1927	4,164	15·9	15·7
1928	4,060	15·8	15·4
1929*	4,167	16·1	15·8
Average	3,768	17·3	15·8

* City extended

TABLE IV.—*Population and Births and Deaths in Sheffield in past years. Also Birth-rates and Death-rates in Sheffield and in England and Wales.*

YEAR.	POPULATION. (Estimated)	SHEFFIELD.				ENGLAND.	
		BIRTHS.		DEATHS.			
		Number of Births.	Birth-rates per 1,000 living per annum.	Number of Deaths.	Death-rates per 1,000 living per annum.	Birth-rates.	Death-rates
1851	135,310	5,946	41·6	4,027	28·2	34·2	22·0
1861	186,375	7,561	40·5	4,610	24·7	34·6	21·6
1871	241,506	9,674	40·4	6,843	28·3	35·0	22·6
1881	284,508	10,814	38·0	5,909	20·7	33·9	18·9
1891	325,547	11,862	36·4	7,775	23·9	31·4	20·2
*1901	410,151	12,766	33·0	7,891	20·4	28·5	16·9
1902	414,506	13,938	33·6	7,064	17·0	28·5	16·3
1903	418,906	14,136	33·6	7,976	19·0	28·5	15·5
1904	423,355	13,850	32·7	7,284	17·2	28·0	16·3
1905	427,850	13,082	30·6	7,510	17·6	27·3	15·3
1906	432,395	13,420	31·1	7,475	17·3	27·2	15·5
1907	436,986	14,125	32·3	7,772	17·8	26·5	15·1
1908	441,630	14,268	32·3	7,337	16·6	26·7	14·8
1909	446,321	13,296	29·8	7,098	15·9	25·8	14·6
1910	451,065	12,664	28·1	6,426	14·2	25·1	13·5
1911	455,817	12,623	27·7	7,335	16·1	24·4	14·6
*1912	466,408	12,887	27·7	6,661	14·3	23·8	13·3
1913	471,662	13,288	28·2	7,446	15·8	23·9	13·8
*1914	476,971	13,004	27·3	7,790	16·3	23·8	14·0
1915	476,012	12,139	25·5	8,173	17·2	21·8	15·7
1916	465,494	12,014	23·7	7,262	15·6	20·9	14·4
1917	469,293	11,026	21·1	6,892	14·7	17·8	14·4
1918	465,217	10,746	20·6	9,732	20·9	17·7	17·6
1919	473,695	10,353	21·0	6,564	13·9	18·5	13·7
1920	492,700	13,130	26·6	6,622	13·4	25·5	12·4
*1921	519,239	11,907	23·8	6,284	12·5	22·4	12·1
1922	522,600	10,804	20·7	6,097	11·7	20·4	12·8
1923	524,200	10,195	19·4	6,012	11·5	19·7	11·6
1924	525,000	9,712	18·5	6,110	11·6	18·8	12·2
1925	526,900	9,321	17·7	6,078	11·5	18·3	12·2
1926	523,300	9,013	17·2	5,927	11·3	17·8	11·6
1927	524,900	8,526	16·2	6,436	12·3	16·7	12·3
1928	515,400	8,438	16·4	6,099	11·8	16·7	11·7
*1929	518,000	7,976	15·4	6,850	13·2	16·3	13·4

Population at earlier dates :—1736, 14,105 ; 1801, 45,755 ; 1811, 53,231 ; 1821, 65,275 ; 1831, 91,692 ; 1841, 111,091.

* City extended.

The table shows that while in 1851, with a Birth Rate of 41·6 and a Rate of Increase, *i.e.*, excess of Birth Rate over Death Rate, of 13·4, the actual increment of population was 1,919, in 1929, with a Birth Rate of only 15·4 and a Rate of Increase reduced to 2·2 the actual increment was no less than 1,126.

This, of course, is because these rates have to be applied to an enormously increased population. Had the Birth Rate which prevailed in 1851 been maintained in 1929, the actual number of Births would have been 21,549 instead of 7,976.

TABLE V.—*Registration Sub-Districts and Sections ; Estimated Population ; Density ; Death-Rates, All Causes*

District.	North.			South.			Park.		Brightside West.		Brightside East.		Attercliffe	
	A.	B.	C.	A.	B.	C.	A.	B.	A.	B.	A.	B.	A.	B.
Estimated Population.	5,077	15,964	9,017	13,316	5,095	7,076	12,515	25,462	22,882	28,306	12,354	31,613	18,004	10,312
Persons per Acre ...	51	175	133	81	70	60	93	11	70	16	52	23	66	65
Causes of Death.														
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	....	0·063	...	...	...	...	0·160	0·079	0·044	0·035	...	0·032	0·111	...
Scarlet Fever	...	...	...	...	...	...	...	0·039	...	0·035	...	0·063	0·056	...
Diphtheria	...	...	...	...	...	0·283	0·080	0·039	0·044	...	...	0·127	0·056	...
Whooping Cough ...	0·394	0·189	0·111	0·375	0·196	...	...	0·236	0·087	...	0·081	0·221	0·111	0·097
Enteric Fever	...	...	...	0·075	...	...	...	0·039	...	0·035	0·081	...	...	...
Influenza	1·970	1·190	0·887	0·751	0·393	0·848	0·959	0·589	0·918	0·954	1·052	0·696	0·889	0·776
Puerperal Fever... ...	...	0·125	...	0·075	0·196	...	...	0·039	0·087	0·035	0·081	0·032	0·056	...
Diarrhœa and Enteritis	0·197	0·125	0·222	0·225	0·196	0·141	0·080	0·118	0·131	0·247	0·567	0·221	0·111	0·291
Pneumonia	2·167	2·506	1·885	1·877	1·963	0·848	2·797	1·846	1·355	0·989	2·509	1·170	2·277	2·230
Cancer	3·348	2·568	0·887	2·028	0·981	0·989	1·438	1·375	1·267	1·413	0·809	1·044	1·444	1·455
Tuberculosis of Respiratory System	2·167	1·378	0·776	1·427	1·178	0·424	1·199	1·139	0·743	0·565	1·538	0·601	0·833	0·485
Other Forms of Tuberculosis...	...	0·251	0·333	0·300	0·589	...	0·479	0·393	0·393	0·035	0·405	0·095	0·111	...
Rheumatism, etc. ...	0·394	0·125	0·111	0·075	...	0·283	...	0·118	0·087	0·035	...	0·095	0·056	...
Diseases of														
Nervous System and Sense Organs ...	0·787	0·814	0·555	1·427	0·196	1·413	0·559	0·943	0·918	0·671	0·890	0·854	0·889	0·970
Circulatory System	6·500	4·886	4·547	5·332	4·122	4·805	3·356	2·592	2·928	2·897	3·157	2·879	2·944	3·782
Respiratory System except Pneumonia	1·576	0·501	0·887	0·676	1·178	0·565	1·758	1·021	0·874	0·813	1·376	1·107	0·889	0·873
Digestive System except Diarrhœa and Enteritis ...	0·394	0·501	0·222	0·451	0·785	0·424	0·639	0·550	0·393	0·353	0·162	0·316	0·222	0·194
Genito-Urinary System except Venereal Disease ...	0·591	0·626	0·776	0·676	0·393	0·989	0·240	0·825	0·306	0·318	0·567	0·538	0·611	0·873
Early Infancy ...	0·394	0·376	1·220	0·826	1·374	0·424	0·479	0·864	0·437	0·424	0·809	0·728	0·944	0·970
Puerperal State except Puerperal Fever	...	0·063	...	0·075	...	...	...	0·118	0·044	0·071	0·081	...	0·111	...
Suicide	0·197	0·063	...	...	...	0·141	0·160	0·079	0·131	0·141	0·081	0·158	...	0·194
Other affections produced by External Causes	0·787	0·189	0·333	0·526	0·196	0·283	0·320	0·393	0·612	0·459	0·809	0·316	0·444	0·485
Other Causes	...	0·626	0·444	0·751	0·785	0·848	0·879	1·021	0·393	0·954	0·486	0·822	0·722	0·679
Death Rates All Causes	21·863	17·164	14·195	17·948	14·720	13·708	15·581	14·453	12·193	11·482	15·542	12·115	13·886	14·352
Infant Mortality Rates...	118	90	145	130	141	62	136	75	82	72	129	95	101	91
Birth Rates	20·091	17·352	15·304	16·221	19·431	11·447	16·460	28·435	16·607	11·729	18·860	16·639	20·440	16·971
	A.	B.	C.	A.	B.	C.	A.	B.	A.	B.	A.	B.	A.	B.
District	North			South			Park		West Brightside		East Brightside		Attercliffe	

d *Certain Specified Causes, and Birth Rates per* 1,000 *living, also Infant Mortality Rates, Year* 1929.

HANDSWORTH.	TINSLEY.	HILLSBRO'.	ECCLESFIELD.	ECCLESALL. NORTH. A.	ECCLESALL. NORTH. B.	ECCLESALL. WEST. CENTL.	ECCLESALL. SOUTH	BROOMHALL. A.	BROOMHALL. B.	SHARROW.	NORTON.	CITY.	DISTRICT.
17,052	6,904	21,458	9,212	10,394	26,811	50,193	50,389	14,866	9,495	24,336	24,315	518,000	ESTIMATED POPULATION
5	5	14	4	49	60	5	14	130	38	88	13	15	PERSONS PER ACRE.
													CAUSES OF DEATH.
...	...	...	...	...	...	...	...	...	...	...	...	...	Small Pox.
0·059	0·145	...	...	...	0·037	...	...	...	...	...	...	0·027	Measles.
...	...	0·093	...	...	0·112	0·080	0·040	...	0·105	0·082	0·082	0·044	Scarlet Fever.
...	...	0·047	0·217	...	0·037	0·020	0·238	0·067	0·105	0·041	0·082	0·066	Diphtheria.
0·117	0·145	0·140	0·109	0·096	0·261	...	0·020	0·067	...	0·123	...	0·102	Whooping Cough.
...	...	...	...	...	...	...	0·020	...	...	...	...	0·010	Enteric Fever.
1·114	1·159	0·652	0·434	1·347	0·746	1·195	0·834	0·807	1·580	0·822	0·576	0·890	Influenza.
...	...	0·047	...	0·289	0·112	0·040	0·040	0·067	0·105	...	0·123	0·052	Puerperal Fever.
0·117	0·145	0·093	0·109	0·192	0·075	0·139	0·079	0·135	0·105	0·082	0·041	0·147	Diarrhœa and Enteritis.
1·407	1·159	0·466	0·760	1·924	0·970	1·056	1·171	2·287	1·474	0·863	0·740	1·403	Pneumonia.
0·997	0·869	1·305	0·977	1·347	1·604	1·215	1·568	1·951	2·528	1·068	1·604	1·400	Cancer.
0·469	1·159	0·885	0·651	0·770	0·671	0·657	0·456	1·345	0·632	0·699	0·576	0·788	Tuberculosis of Respiratory System
0·235	0·290	0·140	...	0·096	0·149	0·139	0·060	0·202	...	0·041	0·165	0·166	Other Forms of Tuberculosis.
0·176	0·290	0·047	0·217	...	...	0·100	0·119	0·067	0·211	0·164	0·206	0·102	Rheumatism, etc.
0·762	1·014	0·932	0·651	1·058	1·305	1·036	0·992	0·874	1·053	1·109	0·576	0·907	Diseases of Nervous System and Sense Organs.
2·815	0·869	3·682	1·303	4·137	3·170	3·407	3·413	4·305	4·213	3·739	2·673	3·382	Circulatory System.
0·352	0·869	0·699	0·760	0·866	0·485	0·638	0·734	0·471	1·264	1·274	0·494	0·815	Respiratory System except Pneumonia.
0·411	0·724	0·466	0·326	0·481	0·410	0·359	0·536	0·605	0·316	0·370	0·535	0·423	Digestive System except Diarrhœa and Enteritis.
0·293	...	0·606	0·326	0·673	0·559	0·538	0·814	0·673	0·737	0·740	0·740	0·593	Genito-Urinary System except Venereal Disease.
0·645	0·435	0·466	0·868	0·770	0·485	0·159	0·258	0·538	0·105	0·288	0·452	0·521	Early Infancy.
0·117	...	0·047	...	0·096	0·112	0·020	0·060	...	...	0·041	0·082	0·050	Puerperal State except Puerperal Fever.
...	...	...	0·109	...	0·224	0·100	0·139	...	0·105	0·041	0·041	0·089	Suicide.
0·938	0·145	0·652	0·217	0·385	0·559	0·279	0·456	0·269	0·527	0·329	0·535	0·427	Other affections produced by External Causes.
0·821	1·593	0·606	0·977	0·962	0·597	0·717	1·012	0·874	0·737	1·151	0·987	0·820	Other Causes.
11·846	11·008	12·070	9·010	15·490	12·681	11·894	13·058	15·606	15·903	13·067	11·310	13·224	Death Rates All Causes.
97	122	66	70	83	76	58	68	142	35	65	64	88	Infant Mortality Rates.
16·948	14·195	12·676	20·191	22·032	15·143	11·077	10·240	14·732	12·006	11·999	12·215	15·389	Birth Rates.
HANDSWORTH.	TINSLEY.	HILLSBRO'.	ECCLESFIELD.	A. NORTH. ECCLESALL.	B.	WEST. CENTL.	SOUTH	A. BROOMHALL.	B.	SHARROW.	NORTON.	CITY.	DISTRICT.

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TABLE VI.—*Registration Sub-Districts and Sections. Estimated Population, Acreage, and Density; and Birth-Rates, Death-Rates, and Infant Mortality Rates for the Quinquennium, 1924-1928 and 1929.*

Registration Sub-Districts and Sections.		Estimated Population 1929.	Acreage	Persons per Acre 1929	Birth Rates per 1,000 living.		Death Rates per 1,000 living.		Infant Mortality Rates.	
					1924 to 1928.	1929	1924 to 1928.	1929.	1924 to 1928.	1929.
North	A	5,077	99	51	20·6	20·1	19·4	21·9	116	118
	B	15,964	91	175	23·7	17·4	16·1	17·2	122	90
	C	9,017	68	133	17·4	15·3	12·4	14·2	87	145
South	A	13,316	165	81	20·5	16·2	14·9	17·9	96	130
	B	5,095	73	70	22·7	19·4	14·8	14·7	97	141
	C	7,076	118	60	12·6	11·4	11·6	13·7	82	62
Park	A	12,515	135	93	22·2	16·5	13·7	15·6	102	136
	B	25,462	2,372	11	24·4	28·4	12·7	14·5	88	75
Brightside West ...	A	22,882	325	70	19·3	16·6	12·6	12·2	87	82
	B	28,306	1,764	16	15·4	11·7	10·0	11·5	77	72
Brightside East ...	A	12,354	236	52	22·3	18·9	13·5	15·5	110	129
	B	31,613	1,357	23	18·1	16·6	11·1	12·1	89	95
Attercliffe	A	18,004	271	66	21·5	20·4	12·8	13·9	98	101
	B	10,312	159	65	19·1	17·0	12·6	14·4	87	91
Darnall	...	35,582	1,040	34	19·4	17·3	10·7	12·2	82	94
Handsworth ...	...	17,052	3,566	5	21·2	16·9	11·0	11·8	74	97
Tinsley	...	6,904	1,524	5	14·7	14·2	9·5	11·0	90	122
Hillsborough ...	...	21,458	1,521	14	12·9	12·7	10·6	12·1	66	66
Ecclesfield	...	9,212	2,331	4	15·5	20·2	9·9	9·0	70	70
Ecclesall North ...	A	10,394	210	49	20·6	22·0	10·8	15·5	102	83
	B	26,811	444	60	16·5	15·1	11·0	12·7	69	76
Ecclesall West Central	...	50,193	10,123	5	13·0	11·1	11·0	11·9	65	58
Ecclesall South ...	...	50,389	3,613	14	12·0	10·2	10·1	13·1	64	68
Broomhall	A	14,866	114	130	17·2	14·7	13·9	15·6	91	142
	B	9,495	251	38	10·8	12·0	12·6	15·9	84	35
Sharrow	...	24,336	275	88	13·6	12·0	12·0	13·1	67	65
Norton	...	24,315	1,906	13	13·4	12·2	10·2	11·3	67	64
City ...	...	518,000	34,151	15	17·2	15·4	11·7	13·2	84	88

TABLE VII.—*Infant Mortality ; Nett Deaths from stated causes at various ages under One Year, 1929.*

CAUSES OF DEATH	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total deaths under 1 year.
Small-Pox	...	...	...	...	...	...	...	...	...	...
Chicken-Pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	1	1	...	2	4
Scarlet Fever	...	...	...	...	...	...	...	...	1	1
Whooping Cough	...	...	...	...	...	...	4	7	9	20
Diphtheria	...	...	...	...	...	...	1	...	1	2
Influenza	...	1	...	...	1	3	5	2	6	17
Tuberculosis of Nervous System ...	...	...	...	...	...	...	4	...	6	10
Tuberculosis of Intestines and Peritoneum	...	...	...	...	...	1	...	1	1	3
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	1	1
Syphilis	...	...	...	...	...	...	1	1	...	2
Meningitis (not Tuberculous)	...	...	...	...	...	...	1	1	1	3
Convulsions	6	2	1	...	9	4	1	4	...	18
Bronchitis	...	1	3	4	8	10	8	11	5	42
Pneumonia	3	3	3	4	13	30	32	41	53	169
Inflammation of Stomach	...	...	...	1	1	...	...	...	...	1
Diarrhœa and Enteritis	1	10	2	3	16	11	10	3	4	44
Rickets	...	...	...	...	...	...	...	...	2	2
Hernia, Intestinal Obstruction ...	...	...	...	...	...	...	2	3	2	7
Congenital Malformations	16	2	2	2	22	6	5	...	2	35
Congenital Debility and Sclerema ...	16	7	1	2	26	11	8	3	3	51
Icterus	2	...	...	1	3	...	...	1	...	4
Premature Birth	126	24	5	5	160	13	1	1	...	175
Injury at Birth	11	...	1	...	12	...	...	...	...	12
Diseases of Umbilicus	...	...	1	...	1	...	...	...	...	1
Atelectasis	17	1	2	...	20	...	1	...	...	21
Suffocation, Overlying	1	...	...	...	1	1	2	...	1	5
Other Causes	11	3	4	4	22	11	2	5	8	48
All Causes	210	54	25	26	315	102	89	84	108	698
Number uncertified	...	...	...	...	...	...	...	...	...	Nil.

Nett Births :—		Nett Deaths :—	Infant Mortality Rate :—
Legitimate ...	7,669.	... 648.	84.
Illegitimate ...	307.	... 50.	163.

TABLE VIII.—*Deaths and Death-rates per annum per 1,000 persons living, from All Causes and from Specified Causes; Persons living; Deaths and Death-rates at Specified Age Periods during 1929.*

		Death Rates per 1,000	All Ages.	Under 1 yr.	1 and under 2 yrs.	2 and under 3 yrs.	3 and under 4 yrs.	4 and under 5 yrs.	Total under 5 yrs.	5 and under 10 yrs.	10 and under 15 yrs.	15 and under 20 yrs.	20 and under 25 yrs.	25 and under 35 yrs.	35 and under 45 yrs.	45 and under 55 yrs.	55 and under 65 yrs.	65 and under 75 yrs.	75 yrs. and upward
	*Age Distribution of Population (Estd.)	...	518000	11491	11916	8653	8677	9564	50301	51367	53592	49423	43816	78361	74795	59051	34611	17274	5409
	Deaths	...	6850	698	202	82	41	30	1053	98	77	136	170	313	400	754	1148	1499	1202
	Death-rates per 1000 per annum ...	13·224	...	60·7	17·0	9·5	4·7	3·1	20·9	1·9	1·4	2·8	3·9	4·0	5·3	12·8	33·2	86·8	222·2
	Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Measles	0·027	14	4	8	1	...	...	13	...	1	...	...	...	...	...	...	...	...
	Scarlet Fever	0·044	23	1	2	1	2	...	6	3	3	2	1	1	4	2	...	1	...
	Diphtheria	0·066	34	2	4	2	3	4	15	7	7	2	...	...	...	2	1	...	...
	Whooping Cough	0·102	53	20	20	5	6	2	53	...	...	...	...	...	...	...	...	...	...
	Enteric Fever	0·010	5	...	...	...	...	...	...	...	...	...	...	2	1	...	2	...	...
	Influenza	0·890	461	17	10	6	3	1	37	2	1	9	8	23	30	72	82	115	82
	Puerperal Fever	0·052	27	...	...	...	...	...	...	...	...	2	5	11	9	...	...	...	...
	Diarrhoea and Enteritis	0·147	76	44	10	3	1	...	58	2	...	...	2	3	...	2	3	5	1
	Pneumonia	1·403	727	169	104	35	11	7	326	25	9	7	15	37	54	69	77	69	39
	Cancer	1·400	725	...	2	...	...	1	3	...	1	1	5	14	43	114	223	231	90
	Respiratory Tuberculosis	0·788	408	...	...	...	...	1	1	...	5	38	53	71	71	74	64	31	...
	Other Forms of Tuberculosis ...	0·166	86	14	5	10	4	2	35	9	8	11	7	2	6	3	2	3	...
	Rheumatism, etc.	0·102	53	...	...	...	...	...	...	1	5	1	1	2	8	7	8	15	5
Diseases of	Nervous System and Sense Organs	0·907	470	30	6	5	1	1	43	6	6	13	11	22	22	59	96	116	76
	Circulatory System	3·382	1752	1	1	...	...	1	3	4	10	12	14	34	53	159	313	568	582
	Respiratory System except Pneumonia	0·815	422	45	11	4	...	1	61	3	...	2	7	6	13	30	58	113	129
	Digestive System except Diarrhoea and Enteritis	0·423	219	10	2	1	1	1	15	5	7	3	9	9	22	49	45	38	17
	Genito-Urinary System except Venereal Disease	0·593	307	1	2	...	...	...	3	3	...	6	6	20	20	39	68	90	52
	Early Infancy	0·521	270	270	...	...	...	...	270	...	...	...	...	...	...	...	...	...	...
	Puerperal State except Puerperal Fever	0·050	26	...	...	...	...	...	...	...	...	1	4	14	7	...	...	...	...
	Suicide	0·089	46	...	...	...	...	...	...	...	...	1	3	4	4	14	10	7	3
	Other Affections produced by External Causes	0·427	221	6	5	5	7	3	26	18	4	16	13	16	9	22	37	30	30
	Other Causes	0·820	425	64	10	4	2	5	85	10	10	9	6	22	24	37	59	67	96

*The distribution of the population over the age-periods is in accordance with the proportions found at the 1921 Census, and should be taken as approximate only, as, obviously, with a falling Birth-rate, the amount of error must be an increasing quantity.

TABLE IX.—*Mortality at certain age periods, years 1925-29.*

Age Groups.	Death Rate per 1,000 Persons living at each Age of Group.				
	1925.	1926.	1927.	1928.	1929.
Under 1 year	67·4	61·3	66·5	54·1	60·7
*Infant Mortality Rate** ...	*85*	*79*	*91*	*73*	*88*
1 and under 2 years ...	16·0	16·6	19·0	15·5	17·0
2 ,, 3 ,, ...	11·8	10·1	10·4	10·1	9·5
3 ,, 4 ,, ...	6·1	6·2	7·3	4·1	4·7
4 ,, 5 ,, ...	3·4	4·3	4·2	4·1	3·1
Total under 5 years ...	22·9	21·6	23·5	19·3	20·9
5 and under 10 years ...	2·1	2·5	2·3	2·6	1·9
10 ,, 15 ,, ...	1·5	1·6	1·5	1·2	1·4
15 ,, 20 ,, ...	2·7	2·8	2·3	2·8	2·8
20 ,, 25 ,, ...	2·8	2·9	3·6	3·4	3·9
25 ,, 35 ,, ...	3·8	3·4	3·5	3·9	4·0
35 ,, 45 ,, ...	5·0	5·1	5·1	5·3	5·3
45 ,, 55 ,, ...	12·4	11·0	13·0	12·3	12·8
55 ,, 65 ,, ...	26·1	25·8	29·0	27·8	33·2
65 ,, 75 ,, ...	65·2	64·2	73·3	70·7	86·8
75 years and over	174·5	184·5	185·9	196·8	222·2
All Ages	11·5	11·3	12·3	11·8	13·2

* Deaths of infants under One Year per 1,000 births.

TABLE X.—*Cases of Infectious Disease notified during each month of the year 1929.*

Diseases.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Totals.
Small Pox	...	...	...	...	2	1	...	1	1	2	...	1	8
Scarlet Fever	504	438	409	322	282	270	345	266	389	607	488	368	4,688
Diphtheria	70	45	44	53	40	42	69	45	77	94	96	85	760
Typhoid Fever	7	3	3	1	1	1	1	1	4	4	2	...	28
Measles	...	3	2	2	5	2	2	1	...	...	...	4	21
Erysipelas	35	29	30	22	32	21	15	16	26	28	39	43	336
Ophthalmia Neonatorum ...	2	7	13	8	4	5	7	5	5	5	...	3	64
Puerperal Fever	5	6	6	6	7	4	3	5	9	14	8	11	84
Puerperal Pyrexia ...	18	10	19	11	16	6	9	14	12	10	6	3	134*
Pneumonia ...	364	581	827	201	220	124	159	107	117	144	285	260	3,389
Cerebro-Spinal Fever ...	...	1	2	2	...	...	2	...	...	...	...	...	7
Acute Poliomyelitis ...	...	...	...	...	...	...	...	...	...	...	1	1	2
Encephalitis Lethargica ...	2	1	1	...	1	1	...	1	...	2	3	1	13
Polio-encephalitis	...	...	...	...	...	1	...	...	...	...	...	...	1
Malaria	...	...	...	...	...	...	...	...	1	...	...	...	1
Dysentery	...	...	...	...	...	...	...	...	...	1	...	...	1
Totals	1007	1124	1356	628	610	478	612	462	641	911	928	780	9,537

* 13 cases subsequently notified as Puerperal Fever.

Military Cases are included in the above figures.

TABLE XI.—*Cases of Infectious Disease notified since 1919.*

DISEASE	NUMBER OF CASES NOTIFIED.										Annual Averages 10 years 1919-1928.	Cases Notified 1929.
	1919.	1920.	1921.	1922.	1923.	1924.	1925.	1926	1927.	1928.		
Small Pox	...	...	...	11	3	4	44	157	667	61	95	8
Cerebro-Spinal Fever ...	9	5	7	4	9	9	10	11	9	5	8	7
Acute Poliomyelitis ...	3	6	12	20	1	53	16	6	17	10	14	2
Polio-Encephalitis... ...	...	1	...	...	...	1	...	...	1	2	1	1
Scarlet Fever	1,229	862	1,017	1,293	1,488	1,334	1,283	1,558	3,103	2,807	1,597	4,688
Diphtheria	514	591	689	647	502	514	820	1,053	865	825	702	760
Enteric Fever	14	24	47	47	42	45	40	48	42	49	40	28
Encephalitis Lethargica ...	*7	17	14	8	9	337	54	41	24	18	53	13
Erysipelas	287	242	239	255	251	283	388	346	319	362	297	336
Puerperal Fever	69	72	63	61	79	85	83	60	95	82	75	84
Puerperal Pyrexia... ...	...	...	...	...	...	...	...	*26 (3 mos.)	123	123	121	134
Ophthalmia Neonatorum...	219	302	257	243	228	211	215	136	114	122	205	64
Measles	8,901	†1,155	277	1,358	71	457	220	188	33	86	1,275	21
Pneumonia	*842 (10 mos.)	1,759	1,275	2,367	2,832	3,347	3,219	2,643	3,154	2,693	2,454	3,389
Trench Fever	*5 (10 mos.)	...	...	...	...	...	...	...	...	...	1	...
Dysentery	*5 (10 mos.)	2	2	1	2	1	1	...	...	1	2	1
Malaria	*78 (10 mos.)	21	13	7	5	1	2	2	4	1	14	1
Continued Fever	...	1	...	...	1	4	...	...	...	...	1	...
TOTALS	12,182	5,060	3,912	6,322	5,523	6,686	6,395	6,275	8,570	7,247	6,955	9,537

Military Cases are included in the above Table.

* Made compulsorily notifiable in this year. † Measles ceased to be compulsorily notifiable 1920.

TABLE XII.—*Measles. Mortality in Males and Females, and under certain age periods; also Mortality Rates, 10 years 1919-1928 and 1929.*

YEARS.	DEATHS.	Rate per 1,000 Persons living.	DEATHS.		AGE AT DEATH.							
			Males.	Females.	Under 1 year.	1 and under 2 yrs.	2 and under 3 yrs.	3 and under 4 yrs.	4 and under 5 yrs.	5 and under 10 yrs.	10 and under 15 yrs.	Over 15 years.
1919 ...	174	0·37	84	90	50	59	28	16	9	10	1	1
1920 ...	115	0·23	57	58	28	55	14	8	4	6	...	...
1921 ...	41	0·08	25	16	13	18	4	3	...	3	...	...
1922 ...	153	0·29	75	78	40	77	17	8	3	8	...	...
1923 ...	10	0·02	5	5	3	3	3	1	...	...	...	...
1924 ...	114	0·22	60	54	35	45	18	8	1	6	1	...
1925 ...	31	0·06	16	15	7	13	3	4	1	3	...	...
1926 ...	71	0·14	39	32	16	28	15	6	5	1	...	...
1927 ...	23	0·04	11	12	6	8	4	1	2	2	...	...
1928 ...	118	0·23	61	57	23	61	16	4	9	5	...	...
Average 10 years 1919-1928	85	0·17	43	42	22	37	12	6	4	4	...	...
1929 ...	14	0·03	9	5	4	8	1	...	...	...	1	...

TABLE XIII.—*Scarlet Fever. Notifications, Percentage of Cases removed to Hospital, Deaths and Percentage Mortality, ten years 1919-1928 and 1929.*

Year	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	Average 10 years 1919-1928	1929
Cases Notified	1229	862	1017	1293	1488	1334	1283	1557	3103	2807	1597	4688
Percentage of Cases Removed	86	84	91	90	89	91	89	85	64	70	84	72
Deaths	8	6	15	27	11	9	6	10	22	24	14	23
Percentage Mortality ...	0·7	0·7	1·5	2·1	0·7	0·7	0·5	0·6	0·7	0·9	0·9	0·5

TABLE XIV.—*Whooping Cough. Deaths under Certain Age Periods since 1919.*

AGES	1919.	1920.	1921.	1922.	1923.	1924.	1925.	1926.	1927.	1928.	Average 10 years 1919-1928	1929.
Under 1 year	6	31	55	10	61	13	52	9	56	4	30	20
1 and under 2 years ...	4	18	35	14	39	12	30	6	50	4	21	20
2 ,, 3 ,, ...	2	7	9	5	13	2	16	2	14	3	7	5
3 ,, 4 ,, ...	1	1	1	...	11	2	8	5	7	1	4	6
4 ,, 5 ,, ...	...	5	3	...	2	1	1	3	2	...	2	2
Over 5 years	...	...	2	1	6	1	1	...	3	...	1	...

TABLE XV.—*Diphtheria.—Percentage Mortality in Hospital-treated and Home-treated Cases,* 1929.

	HOSPITAL TREATED.	HOME TREATED.	TOTAL.
Cases Notified	721	39	760
Deaths	32	2	34
Percentage Mortality	4·4	5·1	4·5

TABLE XVI.—*Sickness from Puerperal Fever and Mortality from Sepsis and Other Accidents of Childbirth per* 1,000 *Births,* 10 *years* 1919-1928 *and* 1929.

	Rate per 1,000 Births.										
Year	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Sickness from—											
(*a*) Puerperal Fever ...	6·67	5·48	5·29	5·65	7·75	8·75	8·90	6·66	11·14	9·72	10·53
(*b*) Puerperal Pyrexia (from 1-10-26)	...	...	...	...	...	...	...	11·54§	14·43	14.58	16·80
Mortality during Puerperium:											
Sepsis (including Phlegmasia Alba Dolens)	2·61	1·52	1·51	1·76	1·37	2·47	2·25	2·33	3·64	3·79	3·38
Other Accidents of Childbirth	2·61	2·51	2·35	1·85	2·65	2·06	2·68	3·66	3·64	2·25	3·26
Total Childbirth	5·22	4·03	3·86	3·61	4·02	4·53	4·93	5·99	7·27	6·04	6·64

§ If the cases afterwards notified as " Puerperal Fever " are deducted, the sickness rate for Puerperal Pyrexia is reduced to 7·10 in 1926, 12·55 in 1927, 12·44 in 1928 and 15·42 in 1929.

TABLE XVII.—*Cases of Infectious Disease notified during the year* 1929 *shown under certain age periods.*

NOTIFIABLE DISEASE.	Number of Cases Notified.								
		At Ages-Years.							
	At all Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 35.	35 and under 45.	45 and under 65.	65 and upwards.
Small Pox	8	....	...	3	1	2	2	...	...
Scarlet Fever	4,688	23	836	2,951	577	190	73	35	3
Diphtheria	760	9	173	444	99	21	5	8	1
Typhoid Fever	28	...	1	5	7	3	5	7	...
Measles	21	...	4	12	2	3	...	...	...
Erysipelas	336	9	8	15	40	36	52	130	46
Ophthalmia Neonatorum ...	64	64	...	...	...	...	...	...	...
Puerperal Fever	84	...	...	...	23	45	16	...	...
*Puerperal Pyrexia	134	...	...	...	40	70	24	...	...
Pneumonia	3,389	415	1011	481	268	243	241	484	246
Cerebro Spinal Fever	7	1	2	2	1	1	...	...	...
Acute Poliomyelitis	2	...	1	1	...	...	...	...	...
Polioencephalitis	1	...	...	...	1	...	...	...	...
Encephalitis Lethargica ...	13	...	...	1	2	2	2	6	...
Malaria	1	...	...	...	...	1	...	...	...
Dysentery	1	...	...	...	...	...	1	...	...
Pulmonary Tuberculosis ...	1,960	1	34	738	458	299	182	220	28
Other Forms of Tuberculosis ...	201	17	47	80	30	8	5	11	3
Totals	11698	539	2,117	4,733	1,549	924	608	901	327

* 13 Cases subsequently notified as Puerperal Fever.

Military Cases included :—

Pneumonia	1
Pulmonary Tuberculosis	8
Other Forms of Tuberculosis	1

TABLE XVIII.—*Cases of Infectious Disease notified during 1929 shown in Registration Sub-Districts and Sections. Also Total Cases removed to Hospital.*

NOTIFIABLE DISEASE.	NORTH.			SOUTH			PARK		BRIGHTSIDE WEST		BRIGHTSIDE EAST		ATTERCLIFFE		DARNALL	HANDSWORTH	TINSLEY	HILLSBORO'	ECCLESFIELD	ECCLESALL NORTH		ECCLESALL WEST CENTRAL	ECCLESALL SOUTH	BROOMHALL		SHARROW	NORTON	CITY	Total Cases removed to Hospital
	A	B	C	A	B	C	A	B	A	B	A	B	A	B						A	B			A	B				
Small Pox	..	..	..	..	..	..	2	1	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	1	1	..	8	8
Scarlet Fever	47	91	110	84	78	67	91	307	204	358	131	386	178	50	266	220	61	225	79	90	286	382	267	108	60	254	208	4688	3353
Diphtheria	17	12	19	43	12	13	5	45	35	31	9	44	19	11	33	18	6	12	10	7	32	104	100	35	22	30	36	760	721
Enteric Fever	..	1	..	2	..	..	..	..	1	3	4	4	1	..	..	..	..	1	..	..	3	6	1	..	..	..	1	28	22
Measles	..	1	..	1	..	..	1	2	2	..	1	1	..	..	1	1	..	2	..	..	1	3	2	1	..	..	1	21	8
Erysipelas	10	10	7	10	3	3	6	30	17	25	13	10	14	6	24	7	9	17	3	7	19	24	24	7	6	12	13	336	..
Ophthalmia Neonatorum ..	2	3	2	2	..	..	1	4	11	4	1	1	..	..	7	4	1	3	..	3	1	4	2	1	..	4	3	64	..
Puerperal Fever	1	3	1	8	..	..	..	9	8	6	2	6	5	..	6	2	..	2	2	5	2	4	3	..	1	3	5	84	..
*Puerperal Pyrexia	..	3	..	54	1	2	..	10	1	7	3	3	1	1	12	1	..	1	2	1	4	4	9	2	3	3	6	134	..
Pneumonia	48	163	69	132	41	40	110	200	185	192	122	196	175	70	406	150	38	62	31	90	122	217	164	117	48	104	97	3389	318
Cerebro Spinal Fever ..	..	2	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	7	1
Acute Poliomyelitis	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	..
Polioencephalitis	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Encephalitis Lethargica ..	..	..	..	1	..	..	..	..	..	1	1	..	..	..	1	1	..	1	..	2	..	..	4	..	..	..	1	13	..
Malaria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
Dysentery	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Respiratory Tuberculosis ..	16	106	36	48	19	31	65	123	114	85	78	118	103	37	183	82	27	57	21	53	85	143	90	72	25	81	62	1960	3245
Other Forms of Tuberculosis	3	14	4	7	7	1	11	19	10	9	6	10	6	1	7	10	6	9	2	3	9	15	11	7	2	5	7	201	163
TOTALS ..	145	410	248	393	161	157	292	750	588	724	371	780	503	176	946	497	148	392	150	261	564	909	677	350	168	497	441	11698	7839

Military Cases included : Respiratory Tuberculosis 8. Other Forms of Tuberculosis, 1 Pneumonia 1

* 13 Cases subsequently notified as Puerperal Fever.

TABLE XIX.—*Vital Statistics of whole District during 1929 and previous years.*

YEAR.	POPULATION estimated to Middle of each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS		NETT DEATHS BELONGING TO THE DISTRICT			
		Un-corrected Number.	Nett.				of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
			Number	Rate.	Number.	Rate.			Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1924	525,000	9,817	9,712	18·5	`6,145	11·7	278	243	871	90	6,110	11·6
1925	526,900	9,461	9,321	17·7	6,185	11·7	333	226	788	85	6,078	11·5
1926	523,300	9,158	9,013	17·2	6,022	11·5	310	215	712	79	5,927	11·3
1927	524,900	8,684	8,526	16·2	6,526	11·4	338	248	774	91	6,436	12·3
1928	515,400	8,586	8,438	16·4	6,214	12·1	362	247	619	73	6,099	11·8
1929	518,000	8,183	7,976	15·4	7,004	13·5	413	259	698	88	6,850	13·2

NOTE. —This Table is arranged to show the gross births and deaths in the district, and the births and deaths properly belonging to it, with the corresponding rates. The rates have been calculated per 1,000 of the estimated gross population.

TABLE XX.—*Causes of Death at Different Age-Periods in each Sex, during the year 1929.*

CAUSE OF DEATH	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 &under 15 years.		15 &under 20 years.		20&under 25 years.		25 &under 35 years.		35 &under 45 years.		45 &under 55 years.		55 &under 65 years.		65 &under 75 years.		75 &under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
I. GENERAL DISEASES. (Epidemic, Endemic and Infectious Diseases.)																																									
1. Enteric Fever—																																									
A. Typhoid Fever	5	4	1	..	...	...	...	..	...	...	..	...	...	...	...	...	..	...	...	...	...	...	...	...	1	1	1	...	...	...	2	...	...	...	...	...	...	...	4	1	5
B. Paratyphoid Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. Typhus Fever	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
("Spirillum Obermeieri.")																																									
4. Mediterranean Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Malaria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Measles	14	9	5	3	1	5	3	1	...	...	...	...	...	9	4	13	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
8. Scarlet Fever	23	9	14	1	...	...	2	...	1	2	...	...	...	3	3	6	1	2	...	3	1	1	...	1	1	...	3	1	...	2	...	...	...	1	...	...	...	...	6	11	17
9. Whooping Cough	53	20	33	10	10	7	13	1	4	1	5	1	1	20	33	53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Diphtheria	34	16	18	1	1	2	2	2	...	2	1	3	1	10	5	15	4	3	...	7	1	1	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...	6	13	19
11. Influenza—																																									
A. With pulmonary complications—																																									
(1) With Pneumonic complications	232	119	113	9	4	7	3	2	3	2	...	...	1	20	11	31	1	1	1	...	2	2	3	4	3	9	12	8	22	16	22	21	25	27	8	10	...	4	99	102	201
(2) With other pulmonary complications ...	140	72	68	1	1	...	...	1	...	...	...	...	...	2	1	3	...	...	...	...	1	...	1	...	3	...	3	4	13	5	14	10	16	27	16	19	3	2	70	67	137
B. Without pulmonary complications—																																									
(1) With non-pulmonary complications... ...	59	23	36	1	1	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	1	2	...	...	2	4	1	...	6	5	4	6	4	9	4	5	...	4	22	35	57
(2) Without stated complications	30	11	19	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	1	...	...	...	...	2	1	1	3	2	1	4	2	5	2	1	1	3	11	18	29
12. Miliary Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
13. Mumps	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14. Asiatic Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
General Diseases—*Contd.*																																									
15. Cholera Nostras	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16. Dysentery—																																									
A. Amoebic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
B. Bacillary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
C. Other or unspecified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17. Plague—																																									
A. Bubonic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
B. Pneumonic ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
C. Septicæmic ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
D. Not otherwise defined	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18. Yellow Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19. Spirochætosis-ictero-hæmorrhagica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20. Leprosy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21. Erysipelas	14	7	7	2	1	...	...	...	...	...	...	...	...	2	1	3	...	...	...	...	...	...	...	1	1	1	...	...	...	...	3	1	1	2	...	1	...	...	5	6	11
22. Acute Poliomyelitis—																																									
(1) Acute Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Acute Polioencephalitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23. Encephalitis Lethargica	15	6	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	2	1	1	3	2	2	1	...	...	...	...	...	6	9	15
24. Meningococcal Meningitis ...	6	5	1	1	...	1	...	1	...	...	...	...	...	3	...	3	...	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	3
25. Other Epidemic and endemic Diseases—																																									
(1) German Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Varicella	1	...	1	...	...	...	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(3) Other Diseases included under 25 ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26. Glanders	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27. Anthrax	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28. Rabies	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29. Tetanus	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
GENERAL DISEASES—*Contd.*																																									
30. Mycoses—																																									
(1) Actinomycoses	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Other Mycoses	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31. Tuberculosis of the Respiratory System	408	267	141	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	3	2	13	25	26	27	38	33	46	25	61	13	53	11	27	4	...	...	...	...	267	140	407
32. ,, Central Nervous System	43	24	19	7	3	2	1	4	2	1	1	1	1	15	8	23	5	3	3	3	1	3	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	9	11	20
33. ,, Intestines & Peritoneum	15	8	7	1	2	1	...	1	...	...	1	...	...	3	3	6	...	...	1	...	2	1	2	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	5	4	9
34. ,, Vertebral Column ...	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	1	2	...	...	...	...	...	4	1	5
35. ,, Joints	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36. ,, Other Organs—																																									
A. Skin and Subcutaneous Tissue	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1
B. Bones (vertebral column excepted)	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
C. Lymphatic System (abdominal glands excepted)...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
D Genito-Urinary System ...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	1	3
E. Other sites incl. under 36	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1
37. Disseminated Tuberculosis—																																									
A. Acute	8	4	4	1	...	...	1	1	1	1	...	...	...	3	2	5	...	...	...	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3
B. Chronic or unstated ...	9	5	4	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	2	...	1	3	...	...	...	...	...	1	...	...	...	...	...	4	4	8
38. Syphilis	13	7	6	1	1	...	...	...	...	...	...	...	...	1	1	2	1	...	...	...	...	...	...	...	...	1	1	1	1	1	3	2	...	...	...	...	...	...	6	5	11
39. Soft Chancre	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40. Gonococcal Infection ...																																									
(1) Gonococcal Infection (Ophthalmia excepted) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Gonorrhœal or Purulent Ophthalmia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
41. Purulent Infection, Septicæmia	15	11	4	2	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	2	...	...	...	2	...	1	1	...	1	3	1	1	...	...	1	...	...	9	4	13

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS--UNDER FIVE YEARS.			5 & under 10 years.		10 &under 15 years.		15 &under 20 years.		20&under 25 years.		25 &under 35 years.		35 &under 45 years.		45 &under 55 years.		55 &under 65 years		65 &under 75 years.		75 &under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
General Diseases—*Contd.*																																									
42. Other Infectious Diseases																																									
(1) Vaccinia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Other Diseases included under 42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals—Epidemic, Endemic and Infectious Diseases ...	*1150*	*636*	*514*	*41*	*25*	*25*	*26*	*15*	*11*	*9*	*9*	*5*	*5*	*95*	*76*	*171*	*13*	*9*	*10*	*20*	*27*	*37*	*33*	*37*	*52*	*55*	*75*	*44*	*110*	*50*	*107*	*61*	*80*	*75*	*30*	*37*	*4*	*13*	*541*	*438*	*979*
II.—General Diseases not included in 1-42																																									
43. Cancer of the Buccal Cavity	54	47	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	16	...	23	3	4	2	...	...	47	7	54
44. ,, Pharynx, Œsophagus, Stomach, Liver and Annexa	204	126	78	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	4	2	8	3	19	9	36	29	38	27	20	8	...	...	126	78	204
45. ,, Peritoneum, Intestines and Rectum	164	94	70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	3	...	3	3	13	4	37	16	28	30	9	15	1	...	94	70	164
46. ,, Female Genital Organs	64	...	64	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	7	...	16	...	15	...	20	...	3	...	1	...	64	64
47. ,, Breast	66	1	65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	20	...	18	...	14	1	7	...	1	1	65	66
48. ,, Skin	16	12	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	1	4	...	2	3	...	...	12	4	16
49. ,, other or unspecified organs	157	124	33	...	...	2	...	...	...	...	...	...	1	2	1	3	...	...	...	1	...	...	3	...	2	1	10	4	23	4	42	7	34	10	8	4	...	1	122	32	154
50. Tumours not returned as malignant (brain and female genital organs excepted) ...	9	7	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	1	...	2	2	...	...	...	...	7	2	9
51. Rheumatic Fever	25	8	17	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	3	...	1	...	1	...	2	3	3	...	4	1	1	...	2	1	...	...	...	8	17	25
52. Chronic Rheumatism, Osteo-Arthritis, Gout—																																									
(1) Chronic Rheumatism, Chronic Arthritis ...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	2	1	3
(2) Rheumatoid Arthritis, Osteo-Arthritis	21	5	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	1	1	4	1	8	...	3	...	...	5	16	21
(3) Gout	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	1	...	...	...	4	...	4
53. Scurvy	1	1	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XX.—*Continued.*

CAUSE OF DEATH	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
General Diseases not included in 1-42—*Contd.*																																										
54. Pellagra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
55. Beri-beri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
56. Rickets	11	8	3	2	...	2	2	1	1	...	...	1	...	6	3	9	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
57. Diabetes	75	35	40	...	...	...	...	...	...	...	...	...	1	...	1	1	1	...	...	1	3	...	1	1	4	2	3	3	4	5	4	12	11	11	3	4	1	...	35	39	74
58. Anæmia, Chlorosis—																																									
A. Pernicious Anæmia ...	29	13	16	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	3	1	1	5	2	6	4	4	2	...	...	...	13	16	29
B. Other Anæmias and Chlorosis	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	2	2
59. Diseases of the Pituitary Gland	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	3	...	3
60. Diseases of the Thyroid Gland—																																									
A. Exophthalmic Goitre ...	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	4	4
B. Other Diseases of the Thyroid Gland—																																									
(1) Myxœdema	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	2	2
(2) Cretinism	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(3) Other Diseases included under 60B.	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	2	2
61. Diseases of the Parathyroid Glands—																																									
(1) Tetany	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Other Diseases of the Parathyroid Glands ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
62. Diseases of the Thymus ...	2	1	1	...	1	1	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
63. Diseases of the Adrenals ...	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	...	...	...	...	...	...	3	3
64. Diseases of the Spleen ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
65. Leukæmia Lymphadenoma																																									
A. Leukæmia...	6	2	4	...	...	...	...	...	...	...	...	1	1	1	1	2	...	...	...	...	...	...	...	...	1	2	...	...	...	1	...	...	...	...	...	...	...	...	1	3	4
B. Lymphadenoma	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	3	...	3
66. Alcoholism (acute or chronic)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS--UNDER FIVE YEARS.			5 & under 10 years.		10 &under 15 years.		15 &under 20 years.		20&under 25 years.		25 &under 35 years.		35 &under 45 years.		45 &under 55 years.		55 &under 65 years		65 &under 75 years.		75 &under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
GENERAL DISEASES NOT INCLUDED IN 1-42—*Contd.*																																									
67. Chronic Poisoning by Mineral Substances—																																									
(1) Occupational Lead Poisoning	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Other Chronic Poisoning by Mineral substances	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
68. Chronic Poisoning by Organic Substances ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
69. Other General Diseases—																																									
(1) Purpura	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	2	3
(2) Hæmophilia	1	1	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(3) Other Diseases included under 69	3	2	1	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	1	2
Totals— General Diseases not included in 1-42 ...	*937*	*500*	*437*	*5*	*1*	*5*	*2*	*1*	*1*	...	...	*2*	*3*	*13*	*7*	*20*	*6*	...	*2*	*6*	*4*	*2*	*6*	*3*	*16*	*12*	*33*	*32*	*70*	*75*	*147*	*115*	*150*	*132*	*51*	*50*	*2*	*3*	*487*	*430*	*917*
Totals—General Diseases ...	*2087*	*1136*	*951*	*46*	*26*	*30*	*28*	*16*	*12*	*9*	*9*	*7*	*8*	*108*	*83*	*191*	*19*	*9*	*12*	*26*	*31*	*39*	*39*	*40*	*68*	*67*	*108*	*76*	*180*	*125*	*254*	*176*	*230*	*207*	*81*	*87*	*6*	*16*	*1028*	*868*	*1896*
III.—DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS																																									
70. Encephalitis—																																									
(1) Cerebral Abscess... ...	7	2	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	1	...	...	...	2	...	...	...	...	...	...	2	5	7
(2) Other Diseases included under 70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
71. Meningitis	22	15	7	2	1	1	1	1	1	...	...	1	...	5	3	8	2	1	...	1	...	...	2	...	2	...	2	...	1	1	1	1	...	...	...	...	...	...	10	4	14
72. Tabes Dorsalis (Locomotor Ataxy)	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	1	...	1	...	...	...	6	...	6
73. Other Diseases of the Spinal Cord	7	2	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	2	...	1	1	1	...	...	...	...	2	5	7

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS-UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
DISEASES OF THE NERVOUS SYSTEM ETC.—*Contd.*																																									
74. Cerebral Hæmorrhage, Apoplexy, etc.—																																									
A. Cerebral Hæmorrhage—																																									
(1) Cerebral Hæmorrhage, so returned ...	195	88	107	5	...	...	...	...	...	...	...	...	...	5	...	5	...	...	...	...	1	...	...	...	1	...	1	1	8	13	22	23	32	43	15	19	3	8	83	107	190
(2) Apoplexy (lesion unstated)... ...	5	4	1	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	1	...	...	...	3	1	4
B. Cerebral Embolism and Thrombosis—																																									
(1) Cerebral Embolism ...	11	5	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	2	1	1	3	...	...	5	6	11
(2) Cerebral Thrombosis ...	35	15	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	2	4	4	3	6	3	8	1	...	15	20	35
75. Paralysis of unstated origin—																																									
A. Hemiplegia	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	2	2	4
B. Other forms of Paralysis...	3	1	2	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	2
76. General Paralysis of the Insane	18	13	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2	1	6	1	3	1	1	...	...	1	...	...	13	5	18
77. Other forms of Insanity ...	50	3	47	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	3	1	5	...	10	2	11	...	13	...	3	...	...	3	47	50
78. Epilepsy	19	11	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	3	1	...	2	2	1	...	1	1	3	...	1	2	...	...	...	...	11	8	19
79. Convulsions (non-puerperal, 5 years and over) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
80. Infantile Convulsions (under 5 years of age) ...	21	11	10	10	8	1	2	...	...	...	...	...	...	11	10	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
81. Chorea	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	3	3
82. Hysteria and Neuritis—																																									
(1) Hysteria, Neuralgia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Neuritis	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	2	2
83. Cerebral Softening	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	...	...	4	...	4
84. Other Diseases of the Nervous System—																																									
(1) Idiocy, Imbecility ...	5	2	3	1	...	...	...	...	1	...	...	...	...	1	1	2	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	2	3
(2) Cerebral Tumour ...	11	6	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	2	...	2	...	1	3	...	...	...	...	...	...	...	...	6	5	11
(3) Disseminated Sclerosis ...	7	3	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	1	1	1	2	...	...	...	...	...	3	4	7
(4) Paralysis Agitans ...	12	7	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	2	...	1	4	1	...	1	7	5	12

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 &under 15 years.		15 &under 20 years.		20&under 25 years.		25 &under 35 years.		35 &under 45 years.		45 &under 55 years.		55 &under 65 years		65 &under 75 years.		75 &under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
Diseases of the Nervous System, etc.—*Contd.*																																									
(5) Other Diseases included under 84...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
85. Diseases of the Eye & Annexa	3	2	1	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	2
86. Diseases of the Ear and of the Mastoid Sinus—																																									
(1) Diseases of the Mastoid Sinus	4	2	2	1	...	...	...	...	...	1	...	...	...	2	...	2	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2
(2) Diseases of the Ear ...	16	12	4	...	...	1	...	1	...	...	...	...	...	2	...	2	...	2	2	...	3	...	1	...	1	1	1	1	1	...	1	...	...	...	...	...	...	...	10	4	14
Totals—Diseases of the Nervous System and Sense Organs— ...	*470*	*216*	*254*	*21*	*9*	*3*	*3*	*3*	*2*	*1*	...	*1*	...	*29*	*14*	*43*	*3*	*3*	*3*	*3*	*6*	*7*	*6*	*5*	*11*	*11*	*11*	*11*	*23*	*36*	*46*	*50*	*46*	*70*	*28*	*35*	*4*	*9*	*187*	*240*	*427*
IV.—Diseases of the Circulatory System—																																									
87. Pericarditis	12	9	3	...	...	1	...	..	...	...	...	...	...	1	...	1	...	...	...	...	1	...	...	...	1	1	3	...	2	1	...	1	1	...	...	...	...	...	8	3	11
88. Acute Endocarditis and Myocarditis—																																									
(1) Malignant Endocarditis...	21	11	10	...	...	...	...	..	...	...	...	1	...	1	...	1	...	1	1	1	...	1	2	1	2	...	...	1	2	3	3	1	...	1	...	...	...	...	10	10	20
(2) Other Acute Endocarditis	8	3	5	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	1	...	...	1	...	2	...	1	...	...	...	...	...	...	...	...	...	...	3	5	8
(3) Acute Myocarditis ...	17	8	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	6	6	...	...	1	...	...	...	...	...	...	...	8	9	17
89. Angina Pectoris	13	8	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	4	1	1	...	2	2	...	1	...	...	8	5	13
90. Other Diseases of the Heart—																																									
(1) Aortic Valve Disease ...	49	34	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	3	...	10	2	10	6	7	3	1	4	1	...	34	15	49
(2) Mitral Valve Disease ...	104	40	64	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	1	4	1	4	5	10	2	8	8	10	5	7	11	9	5	9	...	1	40	64	104
(3) Aortic and Mitral Valve Disease	18	6	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	3	1	3	2	4	2	...	...	...	...	1	6	12	18
(4) Other or Unspecified Valve Disease	91	32	59	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	3	...	3	...	5	8	6	6	11	12	15	5	12	...	2	32	59	91
(5) Fatty Heart	16	6	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	2	2	2	...	6	1	...	...	...	6	10	16
(6) Dilatation of Heart (cause unspecified)	24	12	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	4	5	3	5	1	1	1	...	12	12	24
(7) Other or unspecified Myocardial Disease... ...	501	234	267	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	2	31	19	55	53	88	93	55	82	3	17	234	267	501

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
DISEASES OF THE CIRCULATORY SYSTEM—*Contd.*																																									
(8) Disordered Action of the Heart	30	8	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	...	...	...	1	2	2	4	1	10	2	5	...	...	8	22	30
(9) Heart Disease (undefined)	15	7	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	2	3	2	3	1	...	1	...	1	7	8	15
91. Diseases of the Arteries—																																									
A. Aneurysm	14	11	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	6	1	4	1	...	1	...	...	...	...	11	3	14
B. Arterio-Sclerosis—																																									
(1) With record of Cerebral Vascular Lesion ...	230	117	113	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	7	25	23	50	46	32	27	2	10	117	113	230
(2) Without ,, ,,	560	296	264	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	8	4	36	23	118	73	113	128	18	36	296	264	560
C. Other Diseases of the Arteries	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	2	...	2
92. Embolism and Thrombosis (not cerebral)	11	5	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2	3	2	1	1	...	...	...	...	5	6	11
93. Diseases of the Veins (Varix, Hæmorrhoids, Phlebitis, etc.)	9	3	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	2	...	...	1	1	2	...	1	...	...	3	6	9
94. Diseases of the Lymphatic System (Lymphangitis, etc.)	1	1	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
95. Hæmorrhage without stated cause	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1
96. Other Diseases of the Circulatory System	5	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	2	...	...	1	4	5
Totals—Diseases of the Circulatory System	*1752*	*854*	*898*	*1*	...	*1*	...	...	...	...	...	*1*	...	*3*	...	*3*	*2*	*2*	*4*	*6*	*5*	*7*	*4*	*10*	*12*	*22*	*25*	*28*	*94*	*65*	*165*	*148*	*300*	*268*	*215*	*274*	*25*	*68*	*851*	*898*	*1749*
V.—DISEASES OF THE RESPIRATORY SYSTEM—																																									
97. Diseases of the Nasal Fossæ and Annexa—																																									
(1) Diseases of the Nose ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Diseases of the Accessory Nasal Sinuses	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
DISEASES OF THE RESPIRATORY SYSTEM—*Contd.*																																									
98. Diseases of the Larynx—																																									
(1) Laryngismus Stridulus ...	1	...	1	...	...	...	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Laryngitis	3	1	2	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	1	1	2
(3) Other Diseases of the Larynx	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
99. Bronchitis—																																									
A. Acute Bronchitis	123	62	61	19	9	2	3	2	1	...	...	...	1	23	14	37	...	...	...	...	...	...	...	1	...	...	...	...	3	3	7	5	15	15	12	19	2	4	39	47	86
B. Chronic Bronchitis ...	99	52	47	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	1	1	1	2	2	...	7	2	11	5	15	15	13	16	1	5	51	47	98
C. and D. Not distinguished as Acute or Chronic ...	142	57	85	6	7	2	1	...	...	...	...	...	...	8	8	16	1	1	...	...	1	...	...	1	...	...	2	3	5	1	9	9	15	30	15	20	1	12	49	77	126
100. Broncho-Pneumonia ...	356	208	148	85	55	49	35	12	13	7	1	3	2	156	106	262	6	6	1	...	2	1	...	1	4	...	5	2	11	2	8	7	10	13	4	9	1	1	52	42	94
101. Pneumonia (Lobar or not otherwise defined)—																																									
A. Lobar Pneumonia ...	248	153	95	4	4	3	5	6	1	...	2	...	...	13	12	25	6	4	5	2	4	...	10	1	13	9	21	9	23	17	31	18	21	15	6	7	...	1	140	83	223
B. Pneumonia (not otherwise defined)	123	78	45	9	12	7	5	...	3	1	...	...	2	17	22	39	2	1	1	...	...	...	3	...	7	4	12	5	14	2	11	2	7	3	3	6	1	...	61	23	84
102. Pleurisy—																																									
(1) Empyema	8	6	2	1	1	1	...	1	...	...	...	...	...	3	1	4	...	1	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	3	1	4
(2) Other Pleurisy	5	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...	1	1	...	...	...	...	1	4	5
103. Congestion and Hæmorrhagic Infarct of Lung ...	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	3	1	...	4	3	7
104. Gangrene of the Lung ...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1
105. Asthma	10	7	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	1	1	2	...	1	1	...	1	7	3	10
106. Pulmonary Emphysema ...	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	...	2	1	...	...	...	...	...	...	6	1	7
107. Other Diseases of the Respiratory System—																																									
A. Chronic Interstitial Pneumonia including Occupational Disease of Lung ...	11	10	1	...	...	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	...	3	...	3	...	1	1	1	...	...	...	...	...	9	1	10
B. Diseases of the Mediastinum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XX.—*Continued*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
DISEASES OF THE RESPIRATORY SYSTEM.—*Contd.*																																									
c. Other Diseases included under 107	4	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	...	...	2	2	4
Totals—Diseases of the Respiratory System	*1149*	*648*	*501*	*125*	*89*	*65*	*50*	*21*	*18*	*8*	*3*	*3*	*5*	*222*	*165*	*387*	*15*	*13*	*7*	*2*	*7*	*2*	*16*	*6*	*27*	*16*	*47*	*20*	*72*	*27*	*84*	*51*	*88*	*94*	*56*	*81*	*7*	*24*	*426*	*336*	*762*
VI.—DISEASES OF THE DIGESTIVE SYSTEM—																																									
108. Diseases of the Buccal Cavity and Annexa—																																									
(1) Diseases of the Teeth and Gums	7	4	3	1	...	1	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	2	1	...	...	...	1	...	1	...	...	...	...	...	...	2	3	5
(2) Ludwig's Angina... ...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	2	2
(3) Other Diseases included under 108	4	1	3	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	...	3	3
109. Diseases of the Pharynx and Tonsils—																																									
(1) Tonsillitis, Adenoid Vegetations	6	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	2	...	...	...	...	1	...	...	1	...	...	...	...	...	...	2	4	6
(2) Other Diseases included under 109	4	4	...	1	...	1	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2	...	2
110. Diseases of the Œsophagus...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
111. Ulcer of the Stomach, or Duodenum—																																									
A. Ulcer of the Stomach ...	23	15	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	4	1	5	2	4	1	1	2	...	1	...	...	15	8	23
B. ,, ,, Duodenum ...	16	15	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	4	...	4	1	2	...	...	...	...	...	15	1	16
112. Other Diseases of the Stomach—																																									
(1) Inflammation of the Stomach...	5	4	1	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	1	...	...	...	3	1	4

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
DISEASES OF THE DIGESTIVE SYSTEM—*Contd.*																																									
(2) Other Diseases included under 112	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	...		3	3
113 and 114, Diarrhœa and Enteritis																																									
(1) Ulceration of the Intestines	5	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	...	1	...	...	...	...	...	...	...	...	...	1	4	5
(2) Colitis	10	7	3	5	3	...	...	1	...	1	...	...	...	7	3	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(3) Other Diseases included under 113 and 114 ...	61	39	22	26	10	4	6	1	1	...	...	...	...	31	17	48	2	...	...	...	...	...	...	...	...	1	...	...	1	...	2	1	3	2	...	1	...	...	8	5	13
115 Ankylostomiasis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
116. Diseases due to other Intestinal Parasites—																																									
A. Cestodes (Hydatids of Liver excepted)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
B. Trematodes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
C. Nematodes (other than Ankylostoma)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
D. Coccidia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
E. Other specified Parasites in 116	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
F. Undefined Intestinal Parasites...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
117. Appendicitis	30	23	7	...	...	...	...	...	...	...	...	1	...	1	...	1	2	1	3	1	1	...	4	...	2	...	4	...	1	4	4	...	...	1	1	...	...	...	22	7	29
118. Hernia, Intestinal Obstruction—																																									
A. Hernia	26	11	15	2	...	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	1	...	...	...	...	...	1	5	2	1	3	5	2	4	...	...	9	15	24
B. Intestinal Obstruction ...	20	15	5	5	...	...	...	...	...	...	...	...	...	5	...	5	...	...	1	...	1	...	...	...	...	...	2	1	5	1	...	1	...	1	1	1	...	...	10	5	15
119. Other Diseases of the Intestines—																																									
(1) Intestinal Stasis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Other Diseases included under 119	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	1	1	...	...	4	1	5

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
DISEASES OF THE DIGESTIVE SYSTEM—*Contd.*																																										
120. Acute Yellow Atrophy of Liver	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
121. Hydatid Tumour of Liver ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
122. Cirrhosis of the Liver—																																										
A. Returned as Alcoholic ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
B. Not returned as Alcoholic	13	10	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	6	1	2	1	...	...	...	...	10	3	13
123. Biliary Calculi	21	7	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	3	2	4	3	4	...	2	...	...	7	14	21
124. Other Diseases of the Liver	22	5	17	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	1	...	...	...	...	...	...	...	...	1	1	2	1	5	2	6	...	2	...	...	5	16	21
125. Diseases of the Pancreas ...	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	1	2	3
126. Peritonitis without stated cause	8	2	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	2	1	...	2	...	...	...	...	...	...	2	6	8
127. Other Diseases of the Digestive System	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals—Diseases of the Digestive System...	*295*	*170*	*125*	*41*	*13*	*6*	*6*	*3*	*1*	*1*	*1*	*1*	...	*52*	*21*	*73*	*4*	*3*	*6*	*1*	*3*	...	*6*	*5*	*4*	*8*	*18*	*4*	*25*	*26*	*28*	*20*	*18*	*25*	*6*	*12*	...	...	*118*	*104*	*222*
VII.—NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA																																										
128. Acute Nephritis (including unspecified under 10 years of age)	17	5	12	...	1	...	1	...	...	...	...	...	...	...	2	2	1	1	...	...	1	...	...	2	2	3	...	...	1	2	...	1	...	...	...	1	...	...	5	10	15
129. Chronic Nephritis (including unspecified over 10 years of age)	202	97	105	...	...	...	1	...	...	...	...	...	...	...	1	1	1	...	...	...	3	2	1	3	2	8	5	4	12	16	23	29	30	28	18	11	2	3	97	104	201
130. Chyluria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
131. Other Diseases of the Kidney and Annexa ...	12	6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	3	2	2	...	1	3	...	...	...	...	...	6	6	12
132. Calculi of the Urinary Passages	7	2	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	1	2	...	...	...	1	...	...	2	5	7

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM—*Contd.*																																									
133. Diseases of the Bladder—																																									
(1) Cystitis	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1	...	1	...	1	1	...	1	4	3	7
(2) Other Diseases of the Bladder	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
134. Diseases of the Urethra, Urinary Abscess, etc.—																																									
A. Stricture of the Urethra ...	10	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	6	...	1	...	...	...	10	...	10
B. Other Diseases of the Urethra, etc.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
135. Diseases of the Prostate ...	38	38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	20	...	10	...	1	...	38	...	38
136. Non-Venereal Diseases of the Male Genital Organs ...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1
137. Cysts and other Tumours of the Ovary not returned as malignant	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	2	2
138. Salpingitis and Pelvic Abscess in Females—																																									
(1) Salpingitis	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	4	4
(2) Pelvic Abscess in Females	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
139. Tumours of the Uterus not returned as malignant ...	6	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	1	...	1	...	...	...	1	...	...	...	6	6
140. Non-Puerperal Uterine Hæmorrhage	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
141. Other Diseases of the Female Genital Organs—																																									
(1) Other Diseases of the Uterus	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
(2) Diseases of the other Female Genital Organs not included under other headings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F	M	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM—*Contd.*																																									
142. Non-Puerperal Diseases of the Breast	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals—Non-Venereal Diseases of the Genito-Urinary System and Annexa	*307*	*163*	*144*	...	*1*	...	*2*	...	...	...	...	...	...	...	*3*	*3*	*2*	*1*	...	...	*4*	*2*	*1*	*5*	*5*	*15*	*7*	*13*	*16*	*23*	*34*	*34*	*61*	*29*	*30*	*15*	*3*	*4*	*163*	*141*	*304*
VIII.—THE PUERPERAL STATE.																																									
143. Accidents of Pregnancy—																																									
A. Abortion	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	3	3
B. Ectopic Gestation ...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
C. Other Accidents	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2
144. Puerperal Hæmorrhage ...	6	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	2	...	...	...	...	...	...	...	...	...	...	...	6	6
145. Other Accidents of Childbirth	6	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	6	6
146. Puerperal Sepsis	27	...	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	5	...	11	...	9	...	...	...	...	...	...	...	...	...	...	...	27	27
147. Puerperal Phlegmasia Alba Dolens, Embolism and Sudden Death—																																									
(1) Puerperal Phlegmasia Alba Dolens not returned as septic	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1
(2) Puerperal Embolism and Sudden Death	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	4	4
148. Puerperal Albuminuria and Convulsions	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	3
149. Childbirth not assignable to other headings (Puerperal Insanity)...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
150. Puerperal Diseases of the Breast	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals—The Puerperal State ...	*53*	...	*53*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*3*	...	*9*	...	*25*	...	*16*	...	...	...	...	...	...	...	...	...	...	...	*53*	*53*

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS–UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years.		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
IX.—DISEASES OF THE SKIN AND CELLULAR TISSUE.																																									
151. Gangrene—																																									
(1) Senile Gangrene	6	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	2	1	...	...	1	3	3	6
(2) Other Gangrene ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
152. Carbuncle, Boil	11	8	3	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	1	...	...	1	3	...	2	...	1	...	1	...	8	2	10
153. Cellulitis, Acute Abscess—																																									
(1) Cellulitis	5	3	2	1	1	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	2	1	3
(2) Acute Abscess	3	2	1	1	1	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1
154. Other Diseases of the Skin and its Annexa—																																									
(1) Ulcer, Bedsore	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1
(2) Eczema	5	3	2	3	2	...	...	...	...	...	...	...	...	3	2	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(3) Pemphigus	2	...	2	...	2	...	...	...	...	...	...	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(4) Other Diseases included under 154	6	5	1	1	1	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1	...	...	...	4	...	4
Totals—Diseases of the Skin and Cellular Tissue	*39*	*24*	*15*	*6*	*8*	...	...	...	...	...	...	...	...	*6*	*8*	*14*	...	...	...	...	...	...	*1*	...	...	*1*	*1*	...	*1*	*2*	*6*	...	*5*	*3*	*3*	...	*1*	*1*	*18*	*7*	*25*
X.—DISEASES OF THE BONES AND ORGANS OF LOCOMOTION.																																									
155. Diseases of the Bones—																																									
(1) Acute Infective Osteomyelitis and Periostitis	7	4	3	...	...	...	...	...	...	1	...	...	...	1	...	1	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	3	3	6
(2) Other Diseases of the Bones	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	...	...	1	...	2	...	...	...	...	...	...	1	6	1	7
156. Diseases of the Joints ...	3	3	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	2	...	2
157. Amputations...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
158. Other Diseases of the Organs of Locomotion	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1
Totals—Diseases of the Bones and Organs of Locomotion ...	*18*	*14*	*4*	*1*	...	...	...	...	...	*1*	...	...	...	*2*	...	*2*	*2*	...	...	*2*	*1*	...	*1*	...	*1*	...	...	...	*2*	...	*4*	*1*	*1*	...	...	...	...	*1*	*12*	*4*	*16*

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years.		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
XI.—CONGENITAL MALFORMATIONS.																																									
159. Congenital Malformations—																																									
(1) Congenital Hydrocephalus	3	1	2	1	1	...	1	...	...	...	...	...	...	1	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Congenital Malformation of Heart	16	5	11	4	6	...	...	...	...	...	1	...	1	4	8	12	1	...	...	...	...	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	3	4
(3) Other Congenital Malformations	27	15	12	13	10	...	...	...	...	...	...	...	...	13	10	23	...	1	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	2	2	4
Totals—Congenital Malformations	*46*	*21*	*25*	*18*	*17*	...	*1*	...	...	...	*1*	...	*1*	*18*	*20*	*38*	*1*	*1*	*1*	...	...	*2*	...	...	...	...	*1*	*1*	...	*1*	...	...	...	...	...	...	...	...	*3*	*5*	*8*
XII.—DISEASES OF EARLY INFANCY.																																									
160. Congenital Debility, Sclerema and Icterus—																																									
(1) Congenital Debility and Sclerema	51	33	18	33	18	...	...	...	...	...	...	...	...	33	18	51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Icterus Neonatorum ...	4	2	2	2	2	...	...	...	...	...	...	...	...	2	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
161. Premature Birth, Injury at Birth—																																									
(1) Premature Birth... ...	175	101	74	101	74	...	...	...	...	...	...	...	...	101	74	175	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Injury at Birth	12	7	5	7	5	...	...	...	...	...	...	...	...	7	5	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
162. Other Diseases peculiar to Early Infancy—																																									
(1) Diseases of the Umbilicus	1	1	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(2) Atelectasis	21	10	11	10	11	...	...	...	...	...	...	...	...	10	11	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(3) Other Diseases included under 162	2	1	1	1	1	...	...	...	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
163. Lack of Care	4	2	2	2	2	...	...	...	...	...	...	...	...	2	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals—Diseases of Early Infancy	*270*	*157*	*113*	*157*	*113*	...	...	...	...	...	...	...	...	*157*	*113*	*270*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 &under 15 years.		15 &under 20 years.		20&under 25 years.		25 &under 35 years.		35 &under 45 years.		45 &under 55 years.		55 &under 65 years		65 &under 75 years.		75 &under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
XIII.—OLD AGE—																																									
164. Old Age—																																									
(1) Senile Dementia	16	3	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	2	...	9	...	2	3	13	16
(2) Other forms of Senile Decay	77	32	45	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	5	21	26	5	14	32	45	77
Totals—Old Age	*93*	*35*	*58*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*9*	*7*	*21*	*35*	*5*	*16*	*35*	*58*	*93*
XIV.—EXTERNAL CAUSES.																																									
165 and 166. Suicide by Solid or Liquid Poisons and Corrosive Substances	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	1	1	2
167. Suicide by Poisonous Gas ...	12	10	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	...	1	2	5	...	1	...	...	...	...	...	10	2	12
168. Suicide by Hanging or Strangulation	9	6	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	3	1	...	1	...	...	...	...	...	6	3	9
169. Suicide by Drowning ...	7	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	1	...	1	...	...	...	1	...	1	...	...	...	4	3	7
170. Suicide by Firearms ...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2	1	3
171. Suicide by Cutting or Piercing Instruments ...	12	11	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1	...	3	...	2	1	2	...	...	...	11	1	12
172. Suicide by Jumping from High Place	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
173. Suicide by Crushing... ...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
174. Suicide by other means ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
175. Food Poisoning	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
176. Poisoning by Venomous Animals	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
177. Other Acute Accidental Poisoning (not by gas) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
178. Conflagration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
179. Accidental Burns (conflagration excepted)	22	7	15	...	...	...	2	3	...	2	1	...	1	5	4	9	...	4	...	1	...	...	...	...	...	...	...	...	...	3	1	1	1	1	...	...	...	1	2	11	13

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 & under 15 years.		15 & under 20 years.		20 & under 25 years.		25 & under 35 years.		35 & under 45 years.		45 & under 55 years.		55 & under 65 years		65 & under 75 years		75 & under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M.	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F	Totals
EXTERNAL CAUSES—*Contd.*																																									
180. Accidental Mechanical Suffocation	7	4	3	2	3	...	...	...	...	...	...	...	...	2	3	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	2	...	2
181. Accidental Absorption of Irrespirable or Poisonous Gas	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	2	1	3
182. Accidental Drowning ...	5	5	...	...	...	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	1	...	...	...	...	...	4	...	4
183. Accidental Injury by Firearms	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1
184. Accidental Injury by Cutting or Piercing Instruments	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
185. Accidental Injury by Fall ...	65	27	38	...	...	1	1	...	...	...	...	...	...	1	1	2	...	1	1	...	1	...	2	...	2	...	1	1	3	1	6	9	3	9	7	14	...	2	26	37	63
186. Accidental Injury in Mining and Quarrying	14	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	5	...	2	...	1	...	1	...	2	...	...	...	...	...	14	...	14
187. Accidental Injury by Machinery	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	4
188. Accidental Injury by other forms of crushing (road vehicles, on railways, etc.)	88	60	28	...	...	...	...	...	2	2	2	...	2	2	6	8	9	3	1	1	8	3	5	2	7	1	4	...	7	1	10	3	2	7	5	1	...	...	58	22	80
189. Injury by Animals (poisoning by venomous animals excepted)	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	...	2
190. Wounds of War	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1
191. Execution of Civilians by Belligerent Armies ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
192. Hunger or Thirst	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
193. Excessive Cold	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
194. Excessive Heat	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
195. Lightning	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
196. Electricity (lightning excepted)	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
197. Homicide by Firearms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XX.—*Continued.*

CAUSE OF DEATH.	TOTALS—ALL AGES.			Under 1 year.		1 & under 2 years.		2 & under 3 years.		3 & under 4 years.		4 & under 5 years.		TOTALS—UNDER FIVE YEARS.			5 & under 10 years.		10 &under 15 years.		15 &under 20 years.		20&under 25 years.		25 &under 35 years.		35 &under 45 years.		45 &under 55 years.		55 &under 65 years		65 &under 75 years.		75 &under 85 years.		85 years & upwards.		TOTALS—ABOVE FIVE YEARS.		
	Totals	M	F.	M.	F.	M.	F.	M	F.	M.	F.	M.	F.	M.	F	Totals	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F	Totals
EXTERNAL CAUSES—*Contd.*																																									
198. Homicide by Cutting or Piercing Instruments ...	1	1	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
199. Homicide by other means ...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1
200. Infanticide (under 1 year) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
201. Fracture (cause not specified)	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	1
202. Other and unstated forms of Accidental Violence; Execution	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	1	1	2
203. Violent Deaths of Unstated Nature (*i.e.* Accidental, Suicidal, etc.) and cause	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	1	2
Totals—External Causes.	*267*	*167*	*100*	*3*	*3*	*2*	*3*	*3*	*2*	*4*	*3*	...	*3*	*12*	*14*	*26*	*9*	*9*	*2*	*2*	*14*	*3*	*12*	*4*	*17*	*3*	*11*	*2*	*26*	*10*	*33*	*14*	*16*	*21*	*15*	*15*	...	*3*	*155*	*86*	*241*
XV.—ILL-DEFINED DISEASES.																																									
204. Sudden Death	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
205. Cause of Death unstated or ill-defined—																																									
(1) Heart Failure (age 1-70)	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1
(2) Other ill-defined causes...	3	...	3	...	...	...	2	...	1	...	...	...	...	...	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(3) Cause not specified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals—Ill-defined Diseases ...	*4*	*1*	*3*	...	...	...	*2*	...	*1*	...	...	...	...	...	*3*	*3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	*1*	...	...	...	...	...	*1*	...	*1*
GRAND TOTALS	6850	3606	3244	419	279	107	95	46	36	24	17	13	17	609	444	1053	57	41	35	42	71	65	86	84	145	168	229	171	439	315	654	494	775	724	455	554	51	142	2997	2800	5797

CITY FEVER HOSPITALS.

Statistics have been furnished by Dr. Egerton H. Williams, Medical Superintendent of the City Fever Hospitals, with regard to hospital treatment during 1929 and previous years, also in reference to bacteriological and other examinations carried out during the year by the staff, as follows:—

TABLE XXI.—*Daily Average Number of Patients in the City Fever Hospitals.*

Year.	Daily Average Number of Cases in each of the City Hospitals.							Total Daily Average Cases in the City Hospitals	Highest Number in any one day.	Date.	Lowest Number in any one day.	Date.
	Lodge Moor.	Redmires Camp.	Crimicar Lane.	Winter Street.	Common-side	Contact Cottages. Dart Square.	Contact Cottages. Edmund Road.					
1911	217·7	...	18·8	...	19·2	...	...	255·7	351	Mar. 31	191	Aug. 26
1912	252·8	...	19·4	20·4 (6 months)	19·6	...	...	312·2	319	Jan. 6	191	April 29
1913	348·8	...	24·5	68·8	24·5	...	...	466·6	559	Dec. 13.	366	Jan. 22
1914	335·4	...	27·0	76·0	25·8	...	...	464·2	554	Mar. 5 & 10	364	Nov. 9
1915	303·4	...	78·2	Entirely under Military control	28·7	...	...	410·3	506	Nov. 18 & 20	354	April 29
1916	203·6	...	91·18	Military 95·7	27·23	...	...	417·7	482	Jan. 29	356	Jan. 10
1917	223·58	...	93·16	Military 111·81	27·96	...	...	456·5	566	Dec. 29 & 30	379	Sept. 10
1918	252·05	...	98·65	Military 90·13	32·75	...	...	473·5	574	Jan. 17	381	Aug. 14
1919	211·56	...	100·36	Military and Consumptives *37·31	41·75	...	...	390·98	501	Oct. 23	285	July 2
1920	210·09	...	102·59	Consumptives 92·04	41·76	...	...	446·48	570	May 29	339	Aug. 28
1921	228·85	...	99·9	91·74	40·66	...	...	461·15	563	Dec. 20 & 22	353	Aug. 29
1922	245·4	...	102·0	92·1	40·8	...	...	480·3	562	May 4	367	Sept. 4
1923	261·1	...	106·9	97·2	40·7	...	...	505·9	572	Feb. 8	392	Aug. 18 & 21
1924	282·09	...	103·28	102·5	38·18	...	...	526·05	588	June 1	442	Sept. 8
1925	277·5	1·43	107·1	105·32	42·2	...	1·78	535·3	639	Nov. 27	465	Aug. 28
1926	339·86	13·86	107·6	105·04	43·05	...	6·7	616·1	716	Dec. 29	536	June 28
1927	373·48	45·17	108·99	104·14	42·56	1·71	6·07	682·12	843	Jan. 28	606	Aug. 30
1928	346·57	5·96	108·73	105·12	43·06	1·47	...	610·91	712	Dec. 29 & 30	517	Aug. 31
1929	436·3	0·73	110·7	105·34	43·15	0·17	...	696·39	788	Dec. 1	606	June 10

*Military Cases—100·76, 6 weeks. Consumptive Cases—60·73, 5 months.

TABLE XXII.—*Showing the Notifications, Percentages of Cases admitted, and Death Rate, for the Three Principal Diseases.*

Year.	Notifications.			Percentage of Cases Admitted on Notifications.			Total	Death Rate Calculated on Total completed Cases.
	Scarlet Fever.	Diphtheria.	Enteric Fever.	Scarlet Fever.	Diphtheria.	Enteric Fever.		
1903	2,114	492	345	67·3	44·2	75·2	62·2	5·06
1904	2,906	400	348	76·8	53·3	72·2	67·4	4·4
1905	3,087	407	322	69·5	52·5	71·9	64·6	4·1
1906	4,905	675	390	63·3	50·9	81·0	65·08	4·6
1907	2,358	431	212	72·7	48·4	75·0	65·3	4·9
1908	1,404	438	237	80·6	62·7	75·5	72·9	4·1
1909	1,532	376	175	81·2	66·3	76·2	74·5	3·6
1910	1,356	401	124	78·6	69·3	79·2	78·6	3·7
1911	1,385	505	253	84·5	74·4	80·2	79·7	4·3
1912	1,741	548	164	90·6	77·1	80·4	86·9	3·8
1913	3,512	831	73	68·4	67·7	61·6	68·1	3·3
1914	3,131	846	114	74·8	71·6	72·8	74·1	3·9
1915	2,163	1,006	102	82·9	78·03	84·3	81·38	3·8
1916	847	817	69	87·1	84·7	73·9	85·4	4·4
1917	1,170	545	55	88·4	89·3	83·6	88·5	3·8
1918	1,491	615	45	89·6	91·7	86·6	90·1	3·3
1919	1,230	513	16	85·36	87·9	93·75	86·18	1·8
1920	866	600	25	84·52	88·33	88·0	86·1	2·2
1921	1,013	685	47	90·8	88·46	74·46	89·45	2·2
1922	1,296	648	47	88·96	88·11	68·08	88·19	4·02
1923	1,490	502	42	87·24	91·43	71·42	87·95	1·78
1924	1,332	515	45	89·8	91·4	71·1	89·8	1·74
1925	1,285	825	40	88·4	93·21	72·5	89·9	2·33
1926	1,563	1055	47	84·5	93·2	63·8	87·6	2·8
1927	3,111	866	44	63·7	90·3	56·8	69·3	1·87
1928	2,813	826	49	70·17	87·5	55·1	73·86	1·69
1929	4,692	761	28	71·42	94·08	78·57	74·60	1·31

Owing to lack of accommodation, a number of Scarlet Fever cases were not removed.

During the year there were several severe cases of Scarlet Fever, and satisfactory results have been obtained by the continued use of Scarlet Fever Anti-Streptococcus Serum.

TABLE XXIII.—*Average Duration of Patients in Hospital.*

DISEASE	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	Average for 10 years	1929
	Days.	Days.	Days	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Scarlet Fever	42·3	46·4	47·5	42·6	44·34	43·7	42·92	43·26	38·78	38·92	43·07	35·03
Diphtheria	39·0	40·3	43·2	43·4	52·95	52·06	45·35	57·35	63·56	58·18	49·53	47·13
Enteric Fever	59·8	55·3	56·1	61·1	36·7	58·2	58·18	59·59	45·12	42·88	53·29	50·27
Measles	29·1	26·8	37·1	28·1	34·8	34·6	28·0	29·2	29·0	33·12	30·98	21·18
Pneumonia	..	..	28·3	30·6	32·62	31·52	31·97	35·97	35·35	33·24	*32·44	28·96
Other Diseases.. ..	24·3	25·0	28·1	26·6	27·98	26·2	25·39	28·07	28·94	25·44	26·60	27·61
Total for all Diseases ..	36·0	35·9	38·5	37·5	40·66	38·8	38·18	43·5	42·03	40·2	39·12	35·73

* Average for 8 years only.

BACTERIOLOGICAL WORK CARRIED OUT AT LODGE MOOR HOSPITAL.

Bacteriological work has been entirely done by the Resident Medical Officers at Lodge Moor Hospital. Media on which organisms are grown has been prepared in the Laboratory as in previous years.

EXAMINATIONS CARRIED OUT DURING YEAR 1929.

Swabs (Throat and Nasal) and Statim Smears	3,678
Blood Examinations	12
Special Examinations of Urines	80
Cerebro-Spinal Fluid	4
Pneumonic and Tubercular Sputum	19
Widal Reaction for Typhoid	10
Pleural Effusions	6

SANITARY ADMINISTRATION

GENERAL SANITARY WORK.

TABLE XXIV.—*Summary of Work done by Sanitary Inspectors during* 1929.

Details of Work done	No. 1 District	No. 2 District	No. 3 District	No. 4 District	No. 5 District	No. 6 District	Total
(1) Premises visited on account of Nuisances	1,392	2,326	2,646	2,286	1,933	1,961	12,544
(2) Premises where Smoke Test applied to Drains	139	92	33	37	42	40	383
(3) Premises where Water Test applied to Drains	823	790	1,199	1,418	615	1,517	6,362
(4) Premises where Colour Test applied to Drains	64	57	61	65	64	34	345
(5) Visits to work in progress ..	4,818	5,288	3,496	8,018	5,106	4,143	30,869
(6) Miscellaneous Visits	5,841	5,458	4,349	5,463	6,297	5,163	32,571
(7) Interviews with Owners ..	300	482	612	950	423	453	3,220
(8) Nuisances abated	1,688	1,821	1,599	2,322	1,218	1,031	9,679
(9) Yards paved	77	40	324	241	92	8	782
(10) Visits for Zymotic Diseases ..	700	1,139	1,380	1,113	971	815	6,118
(11) Visits for Disinfection of Premises	479	986	1,110	703	711	672	4,661
(12) Visits to Milkshops and Cowsheds	1,008	510	227	334	649	979	3,707
(13) Visits to Butchers' Shops and Slaughterhouses	332	1,150	657	1,516	1,848	649	6,152
(14) Visits to Offensive Trades ...	20	144	71	49	749	1,027	2,060
(15) Notices Served (*a*) Statutory	327	787	174	691	254	247	2,480
Do. (*b*) Informal	1,559	3,694	2,233	3,558	1,321	1,492	13,857
(16) Proceedings taken	2	9	1	3	15	..	30
(17) Visits to Fried Fish Shops	226	142	78	320	515	892	2,173
(18) Visits to Potted Meat Premises	23	82	81	202	113	54	554
(19) Visits to Ice Cream Premises	56	161	192	210	230	74	923

In addition to the visits shown at No. 10 in the above Table, 35 visits were paid to Small Pox Contacts by the Staff of Women Inspectors.

HOUSING.

It is still impracticable to apply all the powers contained in the Housing Acts on account of the impossibility of re-housing those who occupy houses which are unfit for habitation and which ought to be condemned. The following statement shows the result of the action taken :—

Twenty-two Representations under the Housing Act, 1925, were made during the year. They had reference to the following properties :—

> 61a, Upperthorpe Road; Spooner's Wheel Cottages, Rivelin Valley; 92 and 96, The Dale, Woodseats; 3 and 4 in Court 1, Orchard Street; 84, Norris Road; 35, Burlington Street, and 35 and 37, Crookesmoor Road; 1, 2 ,3, 4, 5, 6, 7, 8 and 9, Long Steps, and 54, 56, 58, 60, 62 and 64 Bernard Street; 158, Arundel Street; 8 and 10, Leadmill Road, and 5, 7 and 9, Paternoster Row; 102, Arundel Lane; 1, 2, 3, 4, 5, 6, 7 and 8 in Court 1 and 15, 17, 19 and 21, Union Lane; 1, 2, 3 and 4 in Court 20, and 152, Lord Street, and 89 Hague Lane; 39, 41 and 43, Crookesmoor Road; 1, 2 and 3 in Court 1 and 11, 13 and 15, Nursery Lane, and 6, 8, 10 12 and 14, Joiner Street; 2 and (4 & 6) Naseby Street, and 1 and 2 in Court 1, Meadow Hall Road; 8 in Court 16, Attercliffe Road; Caretaker's House of Nunnery Colliery Co., Ltd., Corn Exchange Buildings, Broad Street; 1 in Court 11 and 209, Main Road, Darnall; 1, 2, 3 and 4, in Court 1, and 3, 5, 7 and 9, Bethel Walk, and 31 and 33 Backfields; 1, 3, 4, 5, 6, 7, 8 and 9 in Court 11, Portobello Street; 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14 and 17 in Court 6, Oakes Green; 1, 3, 5 and 11 in Court 34 Attercliffe Road.

Closing Orders were made in respect of the foregoing houses, with the exception of 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14 and 17 in Court 6, Oakes Green, and 1, 3, 5 and 11, in Court 34, Attercliffe Road. Closing Orders in respect of these houses were made in January 1930.

Demolition Orders were made in respect of the following properties :—

> 1, 2, 3, 4, 5, 6, 7, and 8, in Court 35, Upper Allen Street; 37, 39 and 41, Leicester Street; 76 and 78, Upper St. Philip's Road; 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18, Canal Cottages, Tinsley Park Road; 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 14, 15, 16, 17, 18 and 19, Wharf Road; 1 and 2 in Court 2, and 62, Doncaster Street, and 43, Matthew Street; 1, 2, 3 and 4, in Court 1 Wicker; 4, 6, 8 ,10, 12 and 14, Andrew Street, 36, 38 and 40, Wicker Lane, and 7, Scholey Street; 61A, Upperthorpe Road; Spooners' Wheel Cottages, Rivelin Valley; 92 and 96, The Dale, Woodseats.

The following statement summarises the action taken under Part II. of the Housing Act, 1925, with regard to Reconstruction Schemes.

DESCRIPTION OF AREA.	DATE OF ORDER OF MINISTRY OF HEALTH CONFIRMING SCHEME	REMARKS.
Duke Street, Crown Alley Lane and Bard Street Area. (41 houses involved)	Sept. 22nd, 1926	Area cleared. All tenants gone to Wybourn Estate.
Matthew Street and Queen's Row Area. (101 houses involved).	Sept. 22nd, 1926	Do.
River Lane and Creswick Walk Area. (31 houses involved).	July 6th, 1927	Do.
Lambert Street, Furnace Hill and Scotland Street Area. (126 houses involved).	May 7th, 1928.	A considerable portion of the area has been cleared.
Bailey Street, Townhead Street Area (95 houses involved)	—	Proceedings pending
Spring Street Area (174 houses involved)	—	Do.
Pond Street Area, East Side. (88 houses involved)	—	Do.

Particulars with regard to the work will be found in table XXVII.

2,160 new houses were certified during the year 1929, as against 1,900 in 1928, 2,112 in 1927, 2,536 in 1926, 2,050 in 1925, 887 in 1924, 665 in 1923, 979 in 1922, and 1,031 in 1921.

During 1929 there were 4,167 marriages and 1,126 more births than deaths. The overcrowding in the City is still deplorable.

The number of families on the waiting list for Municipal houses was, at the time of going to print, 8,753, according to the estimate of the Estates Surveyor.

The following table shows the number of dwelling houses certified fit for human habitation since 1886, the figures being for the Municipal year ending 31st March—thus the number for the year 1929 means the number certified during the year ended 31st March, 1930.

TABLE XXV.—*Houses Certified since year* 1886.

Year ending March	Houses Certified	Year ending March	Houses Certified	Year ending March	Houses Certified
1886	725	1901	2,118	1916	397
1887	928	1902	1,977	1917	57
1888	806	1903	2,051	1918	8
1889	830	1904	1,963	1919	78
1890	903	1905	1,982	1920	413
1891	692	1906	1,904	1921	1,165
1892	786	1907	1,753	1922	814
1893	822	1908	1,778	1923	646
1894	632	1909	1,469	1924	1,061
1895	523	1910	1,243	1925	2,178
1896	1,059	1911	866	1926	2,714
1897	1,443	1912	703	1927	1,897
1898	2,273	1913	542	1928	1,926
1899	2,650	1914	570	1929	2,102
1900	2,876	1915	399		

The following table shows the number of new houses certified as fit for human habitation by the Chief Building Surveyor during each calendar month from the Armistice to the end of March, 1930.

TABLE XXVI.—*Houses certified each month since the Armistice.*

Period	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ..	..	Nil	18	43	81	25	54	95	116	215	46	126	127
February..	..	Nil	9	34	140	100	44	111	111	173	44	258	84
March ..	..	Nil	23	119	109	40	48	114	221	238	321	53	168
April ..	..	Nil	30	48	99	41	29	165	170	113	46	89	..
May ..	..	Nil	2	31	126	58	34	153	228	189	87	82	..
June ..	..	Nil	43	70	98	55	84	115	124	172	75	189	..
July ..	..	1	..	47	172	36	69	173	367	173	148	189	..
August ..	..	Nil	17	43	30	35	86	183	47	225	120	78	..
September	..	Nil	10	122	4	27	65	230	342	300	151	505	..
October ..	..	Nil	67	89	54	62	122	257	423	175	243	156	..
November	Nil	Nil	6	215	44	44	90	259	258	76	235	131	..
December	1	27	42	170	22	142	162	195	129	63	384	304	..

Of the 2,102 houses certified in the last 12 months of the period given in the table, 942 were erected by the Corporation.

During the year under review the work of repaving back yards has received special attention, and 782 yards have been completed. This is one of the most important practical sanitary reforms, as it can constantly be seen that when an unpaved and dirty backyard is put in good condition the effect is to improve the sanitary conditions and cleanliness of the whole interior of the houses using such yard.

The whole cost of this work falls upon the property owners, and there are many cases of small owners where the expenditure would involve considerable hardship but for the fact that the City Council adopted the recommendation of the Health Committee that in suitable cases this work might be carried out at the cost of the Corporation, and the amount repaid by the owner in instalments to be approved by the Committee concerned. This arrangement has greatly facilitated the work during the last few years.

TABLE XXVII.—HOUSING.—1929.

1. Inspection of Dwelling-houses.	
(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	25,164
(2) Number of dwelling-houses (included under Sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	—
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	90
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	19
2. Remedy of Defects without service of Formal Notices.	
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	13,823
3. Action under Statutory Powers.	
A.—Proceedings under section 3 of the Housing Act 1925—	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	10
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(*a*) By owners	1
(*b*) By Local Authority in default of owners	—
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	—
B.—Proceedings under Public Health Acts—	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	14,112
(2) Number of dwelling-houses in which defects were remedied after service of formal notices—	
(*a*) By owners	3,425
(*b*) By Local Authority in default of owners	—
C.—Proceedings under sections 11, 14 and 15 of the Housing Act, 1925—	
(1) Number of representations made with a view to the making of Closing Orders	22
(2) Number of dwelling-houses in respect of which Closing Orders were made	149
(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit ...	2
(4) Number of dwelling-houses in respect of which Demolition Orders were made	65
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders	1

CANAL BOATS ACTS.

The number of inspections of canal boats during the year was 135.

The total number of infringements complained of was 67 relating to 40 inspections of boats. The infringements complained of were in respect of:—

Absence of certificate	9
Certificate not identifying owner	2
Want of marking, lettering or numbering	14
Painting of cabins	17
Repairs to cabins	5
Absence of water casks or defective water casks	5
Cleanliness of cabins	5
Ventilation of Cabins	8
Separation of sexes	2
	67

On subsequent inspection of the boats about which complaints had been made, the matters were found in most cases to have been remedied.

In a number of instances, owing to change of ownership, the certificates were found to be absent on first inspection, but on subsequent inspections this infringement was found to be remedied.

In the case of 95 inspections the boats were found to be in compliance with the above Acts and Regulations, and in good order. In most of the cases where complaint had to be made with regard to the cleanliness of the cabins it was found that there was no female on board.

It was not found necessary to institute legal proceedings with regard to any infringement.

There were no Notices served under the Canal Boats Regulations relating to infringements during the year. A number of verbal notices were given to masters or owners, who promised compliance, and 18 letters were sent to owners with regard to infringements.

There was no case of infectious disease on board any of the boats during the year.

During March, owing to a report from the Medical Officer of Health of Hull that plague rats had been found on board a grain ship at Hull, three boats were specially examined, and the discharge of their cargo of grain supervised. No rats were found on board these boats, but as a precautionary measure the boats were thoroughly disinfected by spraying.

The number of boats on the Sheffield Register on December 31st, 1929, was 72, made up as follows:—

(a) Boats believed to be in actual and present use	6
(b) Boats not seen since 1916	14
(c) Boats not seen since 1911	52
	72

No boats were registered during the year.

The number of visits paid to the canal during the year was 40.

The total number of persons living on board at the time of the inspections was as follows:—

Males over 14 years of age	135
Females over 14 years of age	69
Children between 5 and 14 years of age	17
Children under 5 years of age	13
	234

The average number of occupants per boat was 1.7. Of the 135 boats inspected five were originally registered under the Merchandise Shipping Acts by the Board of Trade, and have since been registered under the Canal Boats Acts.

In two cases where children of school age were found on board the boats the masters stated that it was impossible for them to allow their wives and children to remain at home on account of expense and, therefore, they were continually living on the canal boats.

During the year H.M. Inspector of Canal Boats made enquiry with regard to the transport of motor spirit along the canal, and a report was prepared and forwarded to him on September 26th, 1929. The motor spirit is carried by keels from Keadby to the premises of the National Benzole Company Limited, at Lumley Street Wharf, and is pumped directly from tanks fitted in the keels into storage tanks at the Wharf. Some of the boats coming to Sheffield are old wooden keels fitted with metal tanks, and of approximately 60 tons capacity. These tanks are fixed in the hold of the keel. The new boats are constructed of steel and are lighted by electricity from accumulators, and the boatmen live on board. The boats are at the wharf in Sheffield for a period of about three hours only. In the case of the old wooden keels the men do not live on board.

Information was elicited that in the case of the older type of boat a red oil lamp is burned on top of the tank. This would appear to constitute a serious danger, more especially so as the covers have to be removed from the tanks to ascertain the amount of spirit in the tanks on account of there being no gauge fixed.

The cabins which are at present below-deck would appear to be unsafe on account of danger from petrol fumes. Cabins in boats carrying such dangerous cargo should be above deck.

New Bye-laws with regard to the loading, conveyance, and landing of Petroleum Spirit and Carbide of Calcium have been drafted by the Sheffield and South Yorkshire Navigation Company, and await confirmation by the Ministry of Transport.

SMOKE ABATEMENT.

During the year the duties of the Council upon this subject have been discharged by the Sheffield and Rotherham Joint Smoke Abatement Committee, which Committee was formed in 1927, and to whom the Sheffield City Council and the Rotherham Borough Council delegated their powers and duties under the Public Health Acts or otherwise in respect of Smoke nuisances.

The staff engaged on the work of the Joint Committee consists of the Medical Officers of Health of Sheffield and Rotherham, the Sheffield Chief Smoke Inspector and four other Inspectors, three of whom were in the service of the Committee and one in the service of the Sheffield City Council.

The area covered by the Joint Committee is the administrative areas of Sheffield and Rotherham. During the year the question of the extension of this area has been under consideration with the object of the formation of a larger committee covering a greater area. Agreement was reached with all the Local Authorities invited to join the Committee with the exception of the Wortley Rural District Council. As from the 1st April, 1930, a new committee will be constituted of representatives of the Sheffield City Council, Rotherham County Borough Council, Stocksbridge, Rawmarsh and Greasborough Urban District Councils, and the Rotherham Rural District Council. It will be known as the "Sheffield, Rotherham and District Smoke Abatement Committee," and will be a statutory committee.

The procedure has resulted in increased activity on this subject from the point of view of reducing the volume of smoke emitted and of the education of the public.

It is now generally recognised that the Sheffield standard is a perfectly satisfactory standard with regard to boiler chimneys, and statutory notices have been served, applications made for Magistrates Orders, and prosecutions instituted by the Committee in appropriate cases. Instead of ordering prosecutions in several cases the Committee have ordered the offending firms to be warned. There is now undoubtedly a much more responsive attitude on the part of the Manufacturers and a desire to co-operate with the Committee in reducing the nuisance caused by the emission of smoke from boiler chimneys.

With regard to furnace and combination chimneys the difficulty caused by the amendment of the law made by the Public Health (Smoke Abatement) Act 1926 and the desire of the Committee to secure the co-operation of the Manufacturers has resulted in no proceedings being taken in respect of such chimneys. The conferences with the representatives of the Manufacturers which were instituted some time ago have been continued, and have now resulted in the setting up of an Advisory Committee, under the chairmanship of Dr. Desch, such Committee consisting of representatives of the Manufacturers' Association and of the Sheffield and Rotherham Joint Smoke Abatement Committee. It was agreed that research work should be instituted at the joint expense of the Manufacturers and the Joint Committee. This agreement was subsequently modified, the Manufacturers having offered to carry out at their own expense the first part of the programme. For this work the services of Messrs. Bailey and Evans were obtained by the Manufacturers and their report was issued in November, 1929, This report has been accepted as completing the first part of the programme, and the question of further progress with the programme is under the consideration of the Advisory Committee. With respect to those chimneys which serve furnaces carrying out various processes in connection with the manufacture of steel, there is a cordial desire on the part of the Manufacturers to carry out such processes with the emission of the minimum amount of smoke, and it is hoped that the research work to be undertaken will contribute substantially to the solution of this problem.

Particulars are given below with regard to the work during the year. The particulars include work in the Rotherham area.

Proceedings were taken in twenty cases as follows:—

> eight steel manufacturers, one plating works, two flour millers, one brewer, one colliery proprietor, three steam wagon drivers, one paint manufacturer, one vinegar brewer, one laundry and one pottery.

TABLE XXVIII.—*Details of Work Done by Smoke Inspectors during the year* 1929.

Number of observations of chimneys of each one hour ...	7059
Average number of minutes of smoke per hour ...	2.4
Number of complaints received ...	83
Number of chimneys erected ...	11
Number of chimneys raised ...	15
Number of chimneys demolished ...	17
Number of intimations served ...	303
Number of notices served ...	92
Number of firms visited to advise ...	449
Number of proceedings taken ...	20
Total penalties imposed ...	£36 2 0
Average of penalties imposed ...	£3 12 0

Investigation of Atmospheric Pollution.—In the later months of the year 1928, the Joint Committee established in its area gauges for the measurement of atmospheric pollution. These gauges were fixed at two Stations in Rotherham and at three stations in Sheffield, namely, at Attercliffe, at Nether Green and in Surrey Street, and monthly analyses were made of the solid matter by the City Analyst. The following table gives, as regards Sheffield, the average monthly total solids deposited during the year, expressed in terms of tons per square mile:—

Situation of Station.	Solid matter deposited (Tons per square mile) Monthly average.
Attercliffe	31.80
Nether Green	8.29
Surrey Street	34.32

Simultaneously with the institution of the soot gauges and at the same stations the Committee established gauges for the measurement of Ultra Violet Rays by the Acetone Methylene Blue Test. According to the maker of the apparatus "a tube filled with the Methylene Blue Solution exposed for one hour (at a distance of one yard) to an Arc Lamp (25 amperes) gives a reading of 'one unit'." Daily readings were taken and below are set out averages of the units recorded at each of the Sheffield Stations for the separate months of the year:—

	Average Units per Day.		
Month.	Attercliffe.	Nether Green.	Surrey Street.
January	0.06	0.19	0.02
February	0.20	0.29	0.13
March	0.60	0.90	0.42
April	0.68	1.05	0.67
May	1.61	2.05	1.45
June	2.68	2.88	2.33
July	3.50	3.81	3.42
August	2.13	2.58	2.21
September	0.73	1.05	0.73
October	0.29	0.37	0.13
November	0.12	0.22	0.00
December	0.10	0.18	0.00

CONVERSION OF PRIVIES, WASTE WATER-CLOSETS, ETC.

During the year, 95 privies were converted, including 4 abolished where no water-closet was substituted. 19 additional water-closets were provided. The corresponding figures for 1928 were 213 and 28 respectively.

As a result of the local Act 1928, active steps were taken for the conversion of trough closets and waste-water-closets. The work done was as follows:—

Trough Closets converted into	pedestal	fresh-water-closets	937
Waste-water-closets	ditto	ditto	1033
Pail Closets	ditto	ditto	15
Waste-water-closets abolished			11

The number of sanitary conveniences at 31st December, 1929, was approximately as follows:—

(a) Privies with fixed receptacles	471
(b) Privies with movable receptacles (known as pail closets)	182
(c) Fresh water closets	99,747
(d) Waste water closets	506

The work of Conversion of Privies was completed during the year 1928, with the exception of those cases in which, owing to the enormous cost involved in providing adequate drainage or water supply, proceedings were for the time being abandoned. Most of these properties are dairy farms situated outside the built-on areas and are under rural conditions. As opportunity presents, advantage is taken of the provisions of the Milk and Dairies Order, 1926, for effecting improvements in sanitary conveniences on dairy farms, and a number of cases were so dealt with during 1929.

Full particulars with regard to the work will be found in Table XXIX.

TABLE XXIX.—*Conversion of Privies into Water Closets.*

Year. (1)	Number of Notices served to Convert. (2)	Number of Notices to provide Additional Accommodation. (3)	Number of Premises where Work has been Completed. (4)	Number of Houses involved. (5)	Number of Workshops involved. (6)	Number of Privies converted by Owners and by the Corporation. (7)	Number of Additional Water Closets erected by Owners and by the Corporation. (8)	Cost of Conversions executed by the Corporation. (9)	Cost of Additional Closets erected by the Corporation. (10).	Contributions to Owners in lieu of One-third Cost of Conversions. (11)	Nett Expenditure by Corporation, being One-third Cost or in lieu of One-third Cost of Conversions. (12)
								£	£	£	£
1890-1911	8,350	2,712	6,685	42,029	1,097	20,739	4,297	142,885	23,258	31,053	77,463
1912	453	58	482	2,321	25	1,349	117	12,414	997	2,228	6,364
1913	360	47	531	2,586	16	1,589	131	14,012	771	2,092	6,869
1914	676	74	628	2,940	36	1,822	127	20,799	803	3,295	10,173
1915	116	8	572	2,528	19	1,538	78	8,020	151	1,963	4,640
1916	—	—	52	301	1	182	11	169	...	270	321
1917	2	1	21	70	—	46	...	57	...	164	183
1918	6	1	8	43	—	23	1	148	...	44	93
1919	272	109	79	182	2	175	18	10,944	1,183	1,082	4,735
1920	394	220	259	1,070	4	731	136	31,448	3,472	3,457	13,956
1921	191	82	260	1,155	13	802	87	16,904	1,393	4,107	9,742
1922	246	152	263	1,215	21	775	101	18,627	1,008	3,241	9,488
1923	435	186	376	1,380	25	980	73	20,641	1,025	3,269	10,117
1924	913	384	565	2,027	32	1,438	111	34,941	1,875	6,026	17,686
1925	901	243	810	2,570	29	1,993	147	34,848	2,004	7,390	19,095
1926	1016	262	902	2,373	30	1,820	167	28,672	1,762	6,821	16,422
1927	343	126	759	2,033	20	1,598	114	16,480	643	6,585	11,984
1928	65	23	89	213	1	213	28	790	44	663	876
1929	51	7	55	107	4	95	19	216	1,541	1,213	1,293

	£
Nett Expenditure to 31st March, 1930, out of borrowed money	207,297
Amount raised in the Rate since the beginning of the Conversion Scheme	14,203
Total	221,500
Unexpended borrowing power at 31st March, 1930	43,103

N.B.—The figures in Column 7, 1923 onward, include Privies abolished where no water-closet substituted, as follows :—1923, 66 ; 1924, 73 ; 1925, 217 ; 1926, 286 ; 1927, 256 ; 1928, 47 ; 1929, 4.

The figures given in the last four columns of the table have been furnished by the City Treasurer. They refer to the financial year ended 31st March—three months later than the year to which the other figures refer.

ADDITIONAL WATER-CLOSETS SO AS TO PROVIDE ONE FOR EVERY HOUSE.

The policy of the Health Committee, adopted by the City Council in May 1928, namely to secure that each house in the city should be provided with a separate water-closet, resulted in the building during 1929 of 1,974 additional water-closets quite apart from those built in connection with the Conversion scheme. The cost of this work falls entirely on the owner of the property but arrangements can be made by which the work is done by the Corporation and repayment to the Corporation is spread over a period of years.

SUBSTITUTION OF MOVABLE BINS FOR FIXED ASHPITS.

During the year, as a result of action under Section 352 of the Sheffield Corporation (Consolidation) Act, 1918, 1,685 fixed ashpits were converted and 3,437 movable bins were provided.

ADDITIONAL ASHBINS SO AS TO PROVIDE ONE FOR EVERY HOUSE.

Under the provisions of the Public Health Act, 1875—Section 36, Public Health Acts (Amendment Act), 1890—Section 2 (3) and 11 (1), Sheffield Corporation (Consolidation) Act, 1918—Section 352 (1), 2,421 additional ashbins were provided in the City during 1929.

REGISTRATION OF PREMISES USED FOR PREPARATION OR MANUFACTURE OF POTTED OR PRESERVED MEAT, FISH OR OTHER FOOD INTENDED FOR SALE, OR THE MANUFACTURE FOR SALE OR SALE OF ICE CREAM.

Section 186 of the Sheffield Corporation Act, 1928, became operative on January 1st, 1929, and numerous applications for registration were received.

A memorandum was issued to applicants for registration setting forth the provisions of the Section and indicating the general lines upon which the Health Committee intended to proceed.

During the early part of the year premises were visited by the Sanitary Sub-Committee, along with the Medical Officer of Health and Superintendent Sanitary Inspectors. In this way the Sub-Committee were able to see at first hand the conditions under which these foods were being manufactured.

During the first year of the operation of Section 186 applications were dealt with by the Committee as follows:—

	Applications received.	Applications granted.	Percentage
Manufacture of Potted Meats, Fish, etc. ...	152	63	41.4
Manufacture and Sale of Ice Cream	216	111	51.3
Sale only of Ice Cream	158	141	89.2
Totals	526	315	59.8

In addition to the applications which came before the Committee there was a considerable number where the Inspectors advised withdrawal of the application on the ground that the premises could not be made to comply with the Committee's requirements or that the expense involved would be more than would warrant their carrying out the reconstruction.

During the year there were three appeals to the Court against the Committee's refusal to register but in each case the Bench confirmed the Committee's decision, the appeals being dismissed.

One manufacturer of potted and preserved meats was summoned for using unregistered premises, and a fine of £1 was imposed.

In view of the fact that there is quite a considerable amount of food prepared in comparatively small quantities all over the City, the power of control and supervision given by the Act is a distinct step forward towards a pure food supply.

REGISTRATION OF PREMISES FOR FISH AND CHIP POTATO FRYING.

During the year seventeen applications for registration of premises for fish frying were received and thirteen of these were granted. The number of fish friers on the register at the close of 1929 was 555. The number of visits paid to premises of this class is shown in the report under General Sanitary work.

FACTORIES AND WORKSHOPS.

57 Workshops were added to the Register during 1929 and 36 were struck off.

The numbers on the Register at 31st December are set out below together with the number for the preceding year.

	1928	1929
Bakehouses and confectioners, including factory bakehouses	465	478
Tailors, dressmakers and milliners	238	242
Metal workers	346	350
Wood workers	162	171
Hand Laundries	18	19
Restaurant Kitchens	59	59
Miscellaneous shops	229	219
Total workshops on register	1,517	1,538

During the year 237 trough closets and 16 privies were abolished, and 188 pedestal closets substituted. 35 new closets were provided and 14 closets reconstructed. Drains were relaid on 21 premises. 174 water tests, 20 colour tests, and 10 smoke tests, were applied to drains during the year.

The usual table with regard to inspections and defects found is given below :—

TABLE XXX.—*Factories, Workshops and Workplaces.*

Premises	Number of		
	Inspections	Written Notices	Occupiers Prosecuted
Factories(including Factory Laundries)	2048	175	2
Workshops (including Workshop Laundries)	1626	82	...
Workplaces (Other than Outworkers' Premises) ...	291	26	...
Total	3965	283	2

Particulars	Number of Defects			Number of offences in respect to which Prosecutions were instituted
	Found	Remedied	Referred to H.M. Inspector	
Nuisances under the Public Health Acts :—				
Want of cleanliness...	98	98	...	2
Want of ventilation	10	7	...	...
Overcrowding	...	...	...	...
Want of drainage of floors	3	3	...	...
Other nuisances	57	48	...	...
Sanitary Accommodation — insufficient ...	11	9	...	...
Sanitary Accommodation — unsuitable or defective	178	128	...	...
Sanitary Accommodation — not separate for sexes	10	8	...	...
Offences under the Factory and Workshop Acts :—				
Illegal occupation of underground bakehouse	..	..	..	..
Other offences	14	12	...	...
Total	381	313	...	2

PREVENTION AND TREATMENT OF TUBERCULOSIS.

(Report by H. Midgley Turner, M.D., D.P.H., Clinical Tuberculosis Officer).

The number of primary notifications of Tuberculosis of the Lung received during 1929 was 1960 and Other Forms of Tuberculosis 201, giving an incidence rate per 1,000 of the population of 3·78 for Tuberculosis of the Lung, and 0·39 for Other Forms of Tuberculosis.

Table XXXI shows the number of new cases notified, deaths, and non-notified deaths at the various age periods.

TABLE XXXI.

Age-periods	TUBERCULOSIS											
	Notifications (New Cases)				Deaths				Non-notified Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
— 1	—	1	10	7	—	—	9	5	—	—	2	2
— 5	21	13	26	21	—	1	13	8	—	—	5	3
—10	301	213	38	20	—	—	6	3	—	—	3	1
—15	115	109	8	14	3	2	4	4	1	1	—	1
—20	102§	96	9	13	13	25	5	6	—	—	1	1
—25	115*	145	7	1	26	27	3	4	1	—	1	—
—35	146*	153	3§	5	38	33	—	2	1	2	—	1
—45	118§	64	3	2	46	25	4	2	2	3	1	1
—55	104	38	3	2	61	13	2	1	4	2	1	1
—65	66	12	2	4	53	11	—	2	9	1	—	2
+65	24	4	2	1	27	4	3	—	5	—	1	—
Totals ...	1112†	848	111§	90	267	141	49	37	23	9	15	13

§ including one military case.

* including three military cases. † including eight military cases.

The policy of delaying notification until the finding of tubercle bacilli in the sputum is quite wrong, as we know that the percentage of cases which show permanent arrest when the disease has reached this stage is exceedingly small.

In 430 of the 1,960 cases of Tuberculosis of the Lung, tubercle bacilli were found in the sputum, and the advanced nature of the disease when it has reached the infectious stage is well shown by the fact that 81 of these 430 cases died before the end of the year. These infectious cases, therefore, cannot be considered early Tuberculosis from any point of view.

The number of notifications received is not a criterion of our position as regards Tuberculosis. The principal point is the proportion of cases notified in the early and non-infectious stage of the disease, and if a diagnosis is made at this stage, and treatment given, in a very large proportion of the cases the disease will become permanently arrested. In 21·9 per cent. of the 1929 notifications tubercle bacilli were found in the sputum. A large proportion of the remaining 78·1 per cent. of the cases were notified in the early and curable stage of the disease.

Our work is, therefore, directed towards a decrease in the number of infectious cases amongst the primary notifications, and establishing a diagnosis of Tuberculosis in the earliest stage of the disease.

The total number of notified cases on the Register on December 31st, 1929, was 6,108. Of these 1,224 (including ten children under 15 years of age) were infectious cases, i.e., cases in which tubercle bacilli have been found in the sputum at some period of the illness. No case which at any time has been found to be infectious has so far been cancelled.

91·48 per cent. of the cases of Tuberculosis of the Lung notified during the year were examined by the Dispensary Staff. This figure shows that the patients are anxious to receive the treatment provided by the municipality. Of the remaining 167 cases, 53 were receiving treatment in Institutions other than Corporation Institutions at the time of notification, and of the other 114 cases 63 did not desire treatment and 51 died prior to or within 14 days of notification.

The primary investigation of all notified cases is carried out by the Male Inspectors.

The Women Inspectors re-visit the homes of the notified cases of Tuberculosis of the Lung, and make reports to the Tuberculosis Medical Officer, thus keeping him in touch with the home conditions of patients whether they are attending the Dispensary or not.

The total number of such visits paid during the year was 14,259. The Tuberculosis Medical Officer receives periodical reports on the visits made by the Women Inspectors, and reviews the whole of the cases on their visiting lists.

The number of deaths from Tuberculosis of the Lung of Sheffield residents occurring in the City during the year was 395, which is equal to 20·15 per cent. of the notifications received. It will be noticed that this figure bears a close relation to the percentage of notifications in which tubercle bacilli were found in the sputum, namely, 21·9. To this number must be added 13 deaths of Sheffield residents occurring outside the City.

The Death-rate for Tuberculosis of the Lung is 0·788 per 1,000 of the population, and for Other Forms of Tuberculosis is 0·166, giving a total Death-rate for the City for All Forms of Tuberculosis of 0·954.

The decrease in the Death-rate which was recorded over the years 1922 to 1927 has not been maintained over the years 1928 and 1929. For this, factors which affected the whole country must be held responsible. Chief among these was the exceptionally severe Winter of 1928-9, which was followed in the Spring of 1929 by an increase in the prevalence of Influenza. Our position during this year, relative to that of the other big Cities, has remained eminently satisfactory. The increase of the Tuberculosis Death-rate, which is recorded for the year, can therefore be regarded without alarm. In support of this view is the fact that the increased Death-rate was entirely confined to Respiratory Tuberculosis, the Death-rate from Other Forms of Tuberculosis showing a decline from 0·190 to 0·166.

TABLE XXXII.—*Deaths from Tuberculosis of the Lung occurring during* 1929, *divided into sex and age groups, showing whether sputum examined and result.*

AGE PERIODS	Sputum examined				Sputum not examined		TOTALS	
	Tubercle Bacilli found		Tubercle Bacilli not found					
	Males	Females	Males	Females	Males	Females	Males	Females
Under 1 year	...	...	...	...	...	...	....	...
1 and under 5 years ...	...	...	...	1	...	...	...	1
5 ,, 15 ,, ...	2	2	...	...	1	...	3	2
15 ,, 25 ,, ...	31	46	1	2	5	3	37	51
25 ,, 45 ,, ...	68	49	6	3	7	6	81	58
45 ,, 65 ,, ...	78	15	15	2	18	6	111	23
65 years and upwards ...	13	2	1	1	10	1	24	4
TOTALS ...	192	114	23	9	41	16	256	139

Table XXXII shows that the diagnosis was confirmed by tubercle bacilli being demonstrated in the sputum in 77·47 per cent. of the cases.

It is very desirable for statistical purposes that the sputum of every case, even though advanced, should be examined.

TABLE XXXIII shows the length of time between notification and death of the 395 deaths of Sheffield residents occurring in the City.

TABLE XXXIII.—*Deaths from Tuberculosis of the Lung among Sheffield residents occurring in the City during 1929, divided into age periods, showing length of time between notification and death.*

Age Periods.	Died prior to notification.	Period between Notification and Death.												Total Deaths.
		Under 1 month	1 month & under 2 months	2 months & under 3 months	3 months & under 4 months	4 months & under 6 months	6 months & under 1 year	Total under 1 year	1 year & under 2 years	2 years & under 3 years	3 years & under 4 years	4 years & under 6 years	6 years and over	
Under 1 year	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 and under 5 years ...	...	...	...	1	...	...	...	1	...	...	...	...	...	1
5 ,, 15 ,, ...	2	...	...	1	...	...	1	4	1	...	...	...	....	5
15 ,, 25 ,, ...	1	15	6	2	5	7	10	46	21	8	2	6	5	88
25 ,, 45 ,, ...	8	14	8	3	8	8	12	61	23	22	4	15	14	139
45 ,, 65 ,, ...	16	17	4	3	1	3	12	56	16	11	15	11	25	134
65 years and upwards ...	5	8	1	...	...	...	3	17	3	1	...	1	6	28
TOTALS	32	54	20	9	14	18	38	185	64	42	21	33	50	395
PERCENTAGES ...	8·1	13·67	5·06	2·28	3·54	4·56	9·62	46·84	16·20	10·63	5·32	8·35	12·66	100

It is seen that 21.77 per cent. died before or within one month of notification, and 46.84 per cent. of the total deaths occurred within one year. The percentage dying prior to, or within one month of notification, is still large. It must be recognised, as regards tuberculosis, that in a certain proportion of the cases the disease runs a rapid course.

Of the 50 cases, or 12.66 per cent., who had been notified for six years or over, ten lived six years, five lived seven years, six lived eight years, four lived nine years, three lived ten years, three lived eleven years, eight lived twelve years, two lived thirteen years, two lived fourteen years, two lived fifteen years, one lived sixteen years, one lived seventeen years, and three lived eighteen years. In 19 of the 50 cases who lived six years and over after notification, tubercle bacilli had been found in the sputum at least five years previously, viz., in one case, five years previously, in six cases six years previously; in one case seven years previously; in two cases eight years previously; in one case nine years previously; in three cases ten years previously; in one case eleven years previously; in two cases fifteen years previously; in one case eighteen years previously; and in one case twenty years previously.

The Dispensary, situate in Queen's Road, is open on week-days from 9-0 a.m. to 5-0 p.m., except on Saturdays, when it is open from 9-0 a.m. to 12-30 p.m., and patients are seen on Mondays, Wednesdays and Thursdays in the morning and afternoon, on Tuesdays and Fridays in the afternoon, and on Saturday mornings. There are also two evening sessions Tuesday and Friday), from 6-0 p.m. to 8-0 p.m., for the convenience of patients who are working. There is no branch Dispensary.

PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS, 1925.

One infectious patient was found to be employed as a milk seller. He voluntarily gave up this occupation and no action was therefore taken under the above Regulation.

PUBLIC HEALTH ACT, 1925, SECTION 62.

No action was taken under this Section with regard to compulsory removal to hospital.

ATTENDANCES AT THE DISPENSARY.

Patients who attend the Dispensary may be divided into (*a*) Old Cases and (*b*) Cases seen for the first time.

OLD CASES—NOTIFIED.

The total number of notified cases who attended the Dispensary for treatment and supervision during the year was 5,988, and on December 31st, 1929, there remained on treatment and supervision 4,491. In addition 1,617 cases remained on General Supervision. The total number of attendances of notified cases made during the year was 41,384.

Every effort is made by the Dispensary Staff to keep in touch with the notified cases.

NEW CASES.

Table XXXIV gives particulars of the cases at the time of their visit to the Dispensary and the result of the primary examination arranged under three headings, viz., (*a*) Cases notified prior to their first attendance at the Dispensary; (*b*) " Suspects "; (*c*) " Contacts."

TABLE XXXIV.—*Giving particulars of new cases examined during year and result of primary examination.*

SEX AND AGE PERIODS	(*a*) Notified Cases	(*b*)—" Suspects."			(*c*)—" Contacts."		
	Number examined	Number examined	Put on Observation	Found not Tuberculous	Number examined	Put on Observation	Found not Tuberculous
ADULTS (15 years and upwards)—							
Males	314	1,016	983	33	1,036	214	822
Females	217	753	700	53	1,397	317	1,080
TOTAL ADULTS	531	1,769	1,683	86	2,433	531	1,902
SCHOOL CHILDREN (5 years and under 15)—							
Males	79	449	436	13	640	279	361
Females	68	376	363	13	665	256	409
TOTAL SCHOOL CHILDREN ...	147	825	799	26	1,305	535	770
INFANTS (under 5 years)—							
Males	4	41	32	9	124	40	84
Females	5	36	33	3	137	41	96
TOTAL INFANTS	9	77	65	12	261	81	180
TOTAL ADULTS, SCHOOL CHILDREN AND INFANTS ...	687	2,671	2,547	124	3,999	1,147	2,852

Particulars of the source of the 2,671 " Suspects " were as follows :—

Private Doctor	School Medical Department	Pensions Board	Voluntary Hospitals	Maternity and Child Welfare Centre	Own request	Total
2,222	371	—	67	4	7	2,671

The large figure of 2,671 sent to the Dispensary for diagnosis shows that the medical profession in Sheffield continue to make full use of the Dispensary. In 88·58 per cent. of the notifications for the year the patients were sent to the Dispensary prior to notification. It is in this way that we find our early and curable cases. It is gratifying to find that the medical profession in Sheffield recognise the importance of early diagnosis, and to know that the co-operation between all members of the medical profession and the Dispensary is so good.

The ultimate diagnosis of these suspicious cases often entails observation for long periods, and, in many cases, residence in the observation beds in the Sanatoria.

Cases which are diagnosed in the General Hospitals are always treated as urgent cases, and are admitted to Sanatorium without delay.

The number of attendances at the Dispensary made by " Suspects " during 1929 was 13,236.

During the year 131 patients were examined at home in consultation with private medical practitioners.

" CONTACTS."—3,999 " Contacts " from the homes of notified cases were examined, and of these it was found desirable to retain 28·68 per cent. for further observation and treatment.

The number of "Contacts" examined shows a big increase over the preceding years. As it is among this Section of the population that Tuberculosis is most likely to arise in the future, the examination and treatment where necessary of such "Contacts" is one of the most valuable activities of the Department.

PATIENTS OF SCHOOL AGE.

As in former years, the work of the Tuberculosis Dispensary amongst tuberculous children has been carried on in close co-operation with the School Medical Department. The sanatorium beds provided are proving of much value in the preventive work amongst school children.

The School Medical Officers refer all suspicious cases to the Dispensary for diagnosis, and the responsibility for diagnosis and notification rests with the Tuberculosis Officer.

The names of all children of school age who are known to have been exposed to infection in their homes are supplied to the School Medical Officer, so that he may observe them closely during their school life. If any indication of Tuberculosis is observed amongst these children they are immediately referred to the Tuberculosis Dispensary. In this way the School Medical Officer is kept in touch with a large proportion of the children who are known to have been exposed to infection.

The greater part of the work at the Dispensary on Wednesday and on Saturday morning is devoted to children of school age, and one of the Assistant School Medical Officers attends each Session on Wednesday.

During the year 1929, 17,716 attendances (exclusive of new cases) were made by school children, 12,753 by notified cases, and 4,963 by observation cases.

Twenty-eight places at the Whiteley Wood Open-Air School, and twenty-six places at the Springvale House Open-Air School, were reserved for children selected by the Tuberculosis Officer.

Tubercle Bacilli were found in the sputum of six children, whose names were, therefore, taken off the school registers.

It will be observed from these figures that a large amount of work is being done among the school children of Sheffield, and I feel confident that this is the most encouraging part of our work, and is likely to be favourably reflected in our future tuberculosis results.

TOTAL ATTENDANCES.

The number of attendances at the Dispensary during 1929 was 64,660, which includes 2,683 attendances for ultra violet light treatment.

EXAMINATION OF SPUTA.

During the year 4,140 specimens of sputa were examined, 678 at Crimicar Lane Sanatorium, and 3,462 at the Dispensary. Of these 4,140 specimens 897 were found to contain typical tubercle bacilli.

X-RAY DEPARTMENT.

2,822 Skiagrams were taken during the year, as compared with 2,360 during 1928 and 2,044 during 1927. A first-class skiagram is not only valuable as a permanent record of the condition of a chest, but is so useful in diagnosis that it may now be considered indispensable. It is now the routine practice to take an X-ray film of the chest of all adult cases who have either a negative sputum or no sputum.

INSTITUTIONAL TREATMENT.

It is pleasing to record that the number of beds allocated for the treatment of all Forms of Tuberculosis in the City of Sheffield appears to have reached a maximum figure, and, fortunately, long waiting lists for institutional treatment are a thing of the past.

The average number of beds available for the treatment of Respiratory Tuberculosis is as follows :—

Crimicar Lane Sanatorium	108 males.
Moor End Sanatorium	43 females.
Winter Street Hospital	48 males.
,, ,, ...	58 females.
Nether Edge Sanatorium	66 men.
,, ,, ...	47 women.
,, ,, ...	74 boys.
,, ,, ...	60 girls.
	504

The following Table shows the number of admissions, discharges, and deaths at the various Institutions :—

TABLE XXXV.

	Admissions	Discharges	Deaths	Number remaining at Dec. 31st, 1929
Commonside Sanatorium—				
Adult Females...	217	207	9	38
Girls	5	8	...	1
Crimicar Lane Sanatorium—				
Adult Males	573	535	26	93
Boys	50	66	...	7
Winter Street Hospital—				
Adult Males	194	161	32	28
,, Females...	236	224	27	20
Boys	139	132	4	20
Girls	130	114	2	37
Nether Edge Sanatorium—				
Adult Males	388	349	39	64
,, Females...	363	342	24	43
Boys	506	500	...	74
Girls	444	443	...	56
	3,245	3,081	163	481

Table XXXVI shows the classification of cases received in the various Sanatoria during the year.

This shows that a large proportion of the cases were admitted in the early stage of the disease, viz., 44·2 per cent. of the men, 50·5 per cent. of the women, and 70·0 per cent. of the children.

TABLE XXXVI.—INSTITUTIONAL TREATMENT OF TUBERCULOSIS, YEAR ENDED DECEMBER 31ST, 1929.

	WINTER STREET HOSPITAL.				CRIMICAR LANE SANATORIUM.			MOOR END SANATORIUM.			NETHER EDGE SANATORIUM.				TOTALS.			GRAND TOTALS.
	Men	Women	Children	Total	Men	Children	Total	Women	Children	Total	Men	Women	Children	Total	Men	Women	Children	
Classification of Cases received during the year	194	236	269	699	573	50	623	217	5	222	388	363	950	1,701	1,155	816	1,274	3,245
PULMONARY.																		
1. Observation ...	57	51	89	197	99	12	111	52	2	54	95	82	261	438	251	185	364	800
2. Early	75	123	162	360	278	38	316	98	3	101	157	191	689	1,037	510	412	892	1,814
3. Intermediate ...	33	38	17	88	164	...	164	56	...	56	104	67	...	171	301	161	17	479
4. Advanced	29	24	1	54	32	...	32	11	...	11	32	23	...	55	93	58	1	152
PERCENTAGES.																		
1. Observation ...	29·4	21·6	33·1	28·2	17·3	24·0	17·8	23·9	40·0	24·3	24·5	22·6	27·5	25·7	21·7	22·7	28·6	24·7
2. Early	38·6	52·1	60·2	51·5	48·5	76·0	50·7	45·2	60·0	45·5	40·5	52·6	72·5	61·0	44·2	50·5	70·0	55·9
3. Intermediate ...	17·0	16·1	6·3	12·6	28·6	...	26·3	25·8	...	25·2	26·8	18·5	...	10·1	26·1	19·7	1·3	14·8
4. Advanced	15·0	10·2	0·4	7·7	5·6	...	5·1	5·1	...	5·0	8·2	6·3	...	3·2	8·0	7·1	0·1	4·6

REPORTS, ETC., TO MINISTRY OF PENSIONS, AND TO THE REGIONAL MEDICAL OFFICER OF THE MINISTRY OF HEALTH.

During the year, 89 certificates and reports with regard to ex-service men were furnished to the Ministry of Pensions ; and 205 reports on the condition of patients were made at the request of the Regional Medical Officer of the Ministry of Health.

AFTER CARE.

The organisation with regard to after-care is carried on through the Dispensary. Unsatisfactory cases are reported to the Hospitals Sub-Committee, who consider the cases and instruct the Tuberculosis Medical Officer to deal with them. Shelters are lent to infectious cases, but it is found in Sheffield that the home surroundings are such that in very few cases is it possible to find adequate accommodation for a shelter. This form of isolation in Sheffield is of very little practical value. Beds and mattresses are lent to infectious cases who are unable to provide for themselves a separate bed, and during the year 95 beds and 97 mattresses were lent.

In addition to lending beds and mattresses, the Health Committee lend complete sets of bed-clothing to infectious cases who are unable, owing to their financial circumstances, to procure them. During the year 51 sets of bed-clothing were lent.

HOUSING CONDITIONS OF INFECTIOUS CASES OF TUBERCULOSIS OF THE LUNG.

In January, 1927, a special investigation was made with regard to the housing conditions of infectious cases of Tuberculosis of the Lung. Since that time a special Re-housing Scheme has been embarked upon.

A further survey was made in December, 1929, and the following figures indicate the comparative position :—

	1927	1929
No. of Cases having separate bed and room	374 (41.6%)	566 (53.6%)
No. of Cases having separate bed only	290 (32.3%)	294 (27.8%)
In these cases the conditions were as follows :—		
No. with one person sleeping in another bed in the same room	178	186
No. with two persons sleeping in another bed, or beds, in the same room	79	83
No. with three persons sleeping in another bed, or beds, in the same room	23	18
No. with four persons sleeping in another bed, or beds, in the same room	9	6
No. with five persons sleeping in other beds in the same room	1	1
No. of Cases not having separate bed	235 (26.1%)	196 (18.6%)
No. of such cases with one other person sleeping in the same bed	224	194
No. of such cases with two other persons sleeping in the same bed	11	2
No. of Cases shown as not having separate bed with other persons sleeping in another bed, or in other beds, in the same room	54	36
No. with one other person in another bed	35	24
No. with two other persons in another bed	12	7
No. with three other persons in another bed	6	5
No. with four other persons in another bed	1	—
TOTAL NUMBER OF INFECTIOUS CASES REVIEWED	899	1056

It will be seen that there has been a general improvement in the housing conditions of infectious cases in Sheffield during the last two years. This is largely due to the special investigations which have been made in connection with the Scheme for the re-housing of Infectious Cases.

SPECIAL SCHEME FOR RE-HOUSING INFECTIOUS CASES.

In 1928 arrangements were made by the Health Committee with the Estates Committee for twenty-six houses to be allocated to Infectious Cases of Tuberculosis whose families were living under overcrowded and unsatisfactory conditions.

As in the previous year, the Chairman of the Hospitals Sub-Committee (Mr. Councillor J. A. Longden), and the Tuberculosis Medical Officer, visited a large number of homes which were reported as unsatisfactory before submitting cases to the Special Section of the Hospitals Sub-Committee appointed to deal with the re-housing of Infectious Cases.

Altogether thirty-six families were re-housed under the Scheme during the year, making a total of fifty-nine since the commencement of the Scheme.

Seven of these special tenancies have been terminated—three during the life of the patient, and four after death.

The following details show the reasons for the termination of the tenancies :—

Terminated during life.

Case Y 753. Tenancy terminated by the husband of the patient on February 4th, 1929. Patient died February 7th, 1929.

Case Y 65. Tenancy terminated by patient on January 14th, 1929, owing to nursing difficulties. Patient went to live with her married daughter, and died on February 18th, 1929.

Case Z 959. Tenancy terminated by patient December, 1929. He stated that he was unable to settle down in the new locality.

Terminated after death.

Case 28/1026. Special terms of tenancy terminated on the death of the patient, November 12th, 1928. The father continued in the house as an ordinary tenant of the Corporation.

Case N.1487. Patient died October 7th, 1929. Tenancy terminated November 2nd, 1929, when the home was broken up.

Case Y.1516. Patient died November 7th, 1928. Special tenancy terminated, but the father of the patient continued in the house as an ordinary tenant of the Corporation.

Case Y.1619. Patient died May 25th, 1929, and her husband died November 9th, 1929. The tenancy was terminated on December 2nd, 1929, when the home was broken up, and the children were adopted by the Guardians.

Refusal of Tenancy.

Case 28/665. In this case the patient was allotted a house, but subsequently returned the key having decided to remain in his old house.

Thus, there remained under the Scheme on December 31st, 1929, fifty-two cases which had been re-housed.

The "Contacts" of these families are all examined at the Dispensary and arrangements are made for their re-examination at least once a year.

These households are kept under close supervision by the Superintendent Tuberculosis Inspector and the Lady Inspectors, who also report specially on the condition of the houses.

The Chairman of the Hospitals Sub-Committee and the Tuberculosis Medical Officer make periodic tours of inspection. The most striking features of the work noted during these tours have been the improvement in the health of the members of the families, particularly the children, the general air of well-being and optimism, which is reflected in the improvement in the cleanliness of their homes and the brightness of their gardens.

Work of the Male Tuberculosis Inspectors.

1. *Tuberculosis of the Lung—New Cases.*

Cases investigated—particulars obtained	1,941	
,, no particulars available	12	
(Principally cases in Institutions who are usually resident in Common Lodging Houses).		
Special cases—not visited	3	
Cases investigated (not notified prior to death)	32	
Cases not visited (transferable deaths from other districts)	6	1,994

2. *Other Forms of Tuberculosis—New Cases*

Cases investigated—particulars obtained	173	
,, no particulars available	1	
,, not notified prior to death	29	
,, ,, ,, (no particulars available)	1	204
Total New Cases—All Forms of Tuberculosis...		2,198

Periodic Re-visits to Positive Cases		286
Additional visits—		
(*a*) For further investigation	1,782	
(*b*) Re-admission to Hospital	1	
(*c*) For disinfection after removals	284	
(*d*) For disinfection after admission to Hospital	1,775	
(*e*) For disinfection after death	228	4,070
Total...		4,356

Number of rooms sprayed		9,728
This figure includes 1,231 houses where every room was disinfected after death or removal of the patient.		
Number of Reports to District Inspectors *re* defects in houses ...		157
Number of Reports to Workshop Inspector *re* cases employed in Workshops		128
Cases left City and lost through removal—		
(*a*) Number of Cases left the City	98	
(*b*) Number of Cases lost sight of—new address not known ...	—	
Total...		98

Visitation of Cases by the Women Inspectors.

Number of visits to notified Cases	11,874
Number of visits to notified Cases (ex-service men)	22
Number of visits on discharge from Sanatorium *re* home conditions ...	2,363
Total visits to cases	14,259

Report on Non-Pulmonary forms of Tuberculosis for the year 1929, by C. Lee, Pattison, M.B., B.S., M.R.C.S., L.R.C.P., Surgical Tuberculosis Officer and Medical Superintendent King Edward VII Hospital.

The number of notified cases and the death rate of the various types of non-pulmonary tuberculosis is shown in Table XXXVII.

TABLE XXXVII.

	Number of Cases Notified	Number of Deaths	Death Rate per 1000 Population
Nervous (chiefly Meningitis)	49	43	0·083
Intestines and Peritoneum	22	15	0·029
Vertebrae (Spine)	23	5	0·010
Bones, other than Vertebræ	13	1	0·002
Joints	27	...	...
Skin	8	1	0·002
Genito-urinary	3	3	0·006
Other	56	18	0·035
Total	201	86	0·166

It should be noted that the above table does not include the numerous cases of non-pulmonary tuberculosis, which are also affected with pulmonary lesions.

1.—INSTITUTIONAL TREATMENT

The King Edward VII. Hospital, Rivelin Valley.

The majority of cases of non-pulmonary forms of tuberculosis occur in children, these are treated in this Institution. Owing to the early stage of the disease at which it is now possible to begin treatment, the period of stay in Hospital has been reduced during the last few years.

As a result beds have been available for patients from outside Sheffield. With the sanction of the Ministry of Health the local authorities concerned pay the full cost of maintenance, including service of debt and educational charges for the beds occupied by their patients. This is on the understanding that only beds shall be used by them which are not required for Sheffield children.

During 1929 the following new cases were treated in the King Edward VII Hospital.

TABLE XXXVIII.

Part affected	Male	Female	Total
Vertebrae (Spine)	15	12	27
Hip Joint	18	16	34
Knee Joint	11	11	22
Elbow Joint	0	0	0
Ankle Joint	1	5	6
Hands and Feet	3	1	4
Lymphatic Glands	18	9	27
Peritoneum	3	4	7
Lupus (Skin)	2	1	3
Other parts	3	4	7
*Observation Cases	12	14	26
Totals ..	86	77	163

*Observation cases are those in which the diagnosis was uncertain and which proved later to be non-tuberculous.

The average duration of stay in Hospital was 287.6 days.

INSTITUTIONAL TREATMENT FOR ADULTS.

Adult patients with bone or joint tuberculosis are treated in Nether Edge Hospital, under the supervision of the Surgical Tuberculosis Officer. The scope of this work has increased considerably during the year.

Operation is more frequently necessary in adult patients than in children, and cases requiring such treatment have been transferred to the King Edward VII Hospital, where there are better facilities for operation than at Nether Edge. These patients are kept separate from the children in hut-shelters and are sent back to Nether Edge Hospital as soon as active surgical treatment has become unnecessary. This arrangement has worked well.

2.—OUT-PATIENT SUPERVISION.

Examination and supervision of out-patients continues to be held at the Tuberculosis Dispensary. Here new patients are seen, and after care of patients discharged from the Tuberculosis Hospitals is undertaken.

During 1929 there were 242 new Sheffield patients, these were: 29 men; 30 women; 98 boys; 85 girls. (Adults 59, Children 183) of these 61 were found to be non-tuberculous.

The disease occurred in the following situations:—

	Males	Females.	Totals
Spine	15	19	34
Hip Joint	11	7	18
Knee Joint	5	3	8
Ankle Joint	1	2	3
Elbow Joint	0	0	0
Shoulder Joint	0	1	1
Lymphatic Glands	46	41	87
Lupus (Skin)	5	2	7
Peritoneum	8	5	13
Bones	8	2	10
TOTALS	99	82	181

In addition to the above 23 patients were sent for examination by the West Riding County Council, a number of X-Ray reports have been furnished to this authority for which the sum of £20/9/6 has been received.

New patients were sent from the following sources:—

Sheffield Medical Practitioners	55
Tuberculosis Medical Officer	71
School Medical Department	61
Sheffield Voluntary Hospitals	26
Other sources	29
Tuberculosis Officer West Riding County Council	23
TOTAL	265

During 1929 there were 3,047 attendances at the Surgical Tuberculosis out-patient afternoon clinics, in addition there were 256 attendances at the special Tuesday evening clinic which was commenced in 1928 for the benefit of patients who were unable to attend the afternoon sessions because they were working or for other reasons.

Ultra-Violet Light Treatment.

Ultra-Violet Light Treatment has been continued during the year, both at the King Edward VII Hospital and at the Tuberculosis Dispensary.

The patients are carefully selected by the Surgical Tuberculosis Officer and the treatment is undertaken under his supervision.

Six sessions per week are held at the Dispensary, at which there have been 1,845 attendances.

The results obtained by this means of treatment have confirmed the conclusions reached by previous experience extending over the past 15 years.

In some types and with certain degrees of activity of the disease ultra-violet light treatment is indicated and proves definitely beneficial, but in other instances it should be avoided as in them it appears to be useless or even harmful.

Lupus Clinic.

The lupus clinic has been continued during the year—one afternoon and one evening session are held weekly.

In addition to general radiations with ultra-violet light, local treatment with a Kromayer lamp is given. There have been 838 exposures to this lamp during the year, and a number of patients have received considerable benefit from the treatment.

MATERNITY AND CHILD WELFARE.

Women Inspectors' Work—

TABLE XXXIX.

	1927.	1928.	1929.
Visits with regard to Houses-let-in-lodgings	549	415	535
Visits with regard to Births	31,154	30,880	27,027
Visits to Children 1 to 5 years	14,760	20,270	23,021
Visits with regard to School complaints	32	18	19
Visits with regard to Tuberculosis—			
Dispensary Cases	14,870	14,692	14,237
Surgical Clinic Cases	1,594	1,324	986
Discharged Soldiers	73	77	22
Visits to Midwives	253	138	163
Visits with regard to Puerperal Fever	288	275	312
Visits with regard to Ophthalmia Neonatorum	285	338	223
Visits to Expectant Mothers	261	383	753
Visits with regard to Measles	13	54	14
Visits with regard to Pneumonia	17	9	21
Visits with regard to Small Pox contacts	2,749	227	35
Visits for other reasons	1,895	1,996	1,913
Cases reported to N.S.P.C.C.	10	14	6
Cases reported to S.Q.V.D.N.A.	1	2	1
Nuisances Notices served	33	30	20

Midwives Acts 1902 and 1918.

At the end of the year 1929 there were 78 midwives in practice on their own account in Sheffield. Of this number 69 were hospital trained midwives and 9 were untrained midwives who were in bona-fide practice as such at the time of the passing of the Act.

There were 163 visits of inspection paid to midwives at their own homes during the year, and 106 midwives were specially interviewed for various reasons connected with their work at the office of the Chief Inspector of Midwives. According to the rules of the Central Midwives Board notifications have been received from midwives under certain circumstances.

There were 69 notifications of still births received from midwives, 40 having reference to full time births and 29 to premature births.

There were 676 notifications received stating that the midwife had been obliged to send for medical help, the reasons for sending for medical help, as far as could be ascertained, being as follows:—

1. *Abnormal presentations.*—Breech, 10; Arm, foot or shoulder, 7; Transverse, 6; Funis, 1; Face, 3 ; Right Occipito Posterior, 43; Total, 70.

2. *Causes affecting the Child.*—Convulsions, 10; Debility, 20; Asphyxia, 12; Prematurity, 38; Spina Bifida, 3; Ophthalmia, 41; Jaundice, 1; Cleft Palate, hare-lip, 2; Miscellaneous, 47. Total, 174.

3. *Causes affecting the Mother.*—Placenta Praevia, 5; Prolapse of Uterine Wall, 2; Ante-partum Hæmorrhage, 24; Eclampsia, 3; Post-partum Hæmorrhage, 26; Rupture of Perineum, 170; Contracted Pelvis, 26; Rigid Os or Perineum, 6; Uterine inertia, 61; Adherent placenta, 8; Rise of Temperature, 40; Miscarriage, 6; Miscellaneous, 55. Total, 432.

In 10 cases the midwife sent in a notification that the mother intended to substitute artificial feeding for breast feeding.

PUERPERAL FEVER.

	1929			
	Puerperal Fever		Puerp. Pyrexia	
	Cases	Fatal	Cases	Fatal
Cases attended by—				
Doctors	24	7	30	2
Midwives	16	2	15	3
Doctors and Midwives	3	—	2	—
Jessop Hospital	10	1	57	3
Sheffield Union..	3	1	2	—
Nether Edge Hospital ..	1	1	4	2
Nursing Homes	1	1	2	—
Unattended Abortions.. ..	18	5	5	—
Attended Abortions (by Doctors)	4	2	—	—
Out of Town cases	1	—	3	—
Totals ..	81	20	120	10

Puerperal Pyrexia subsequently notified as Puerperal Fever	14
Puerperal Fever subsequently notified as Pyrexia	3

Cases originally notified as Puerperal Fever	64
Do. do. Puerperal Pyrexia	137
	201

(The particulars in the above summary have the necessary alterations).

Cases nursed at home	27
Cases nursed entirely in Hospital	75
Do. do. Nursing Home	1
Cases removed after onset of disease :—	
To Jessop Hospital	6
,, Firth Auxiliary Hospital	75
,, Firvale Hospital	16
,, Royal Hospital	1
	201

OPHTHALMIA NEONATORUM.

	1927.	1928.	1929.
Cases attended by doctors	34	26	20
Do. midwives	68	64	37
Do. doctors and midwives	1	2	2
Jessop Hospital cases	2	18	6
Firvale Hospital cases	4	3	5
Nether Edge Hospital cases	1	4	2
Unattended	2	—	—
Out of town cases	—	2	—
Cases carried forward to the following year	8	11	3
	120	130	75
The following cases were brought forward from the previous year and are included in the above summary	7	8	11
Totals for year	113	122	64

	1927.	1928.	1929.
Doctors' Cases—			
Eyes recovered	30	24	18
Eyes damaged	—	1	—
Blind in one eye	1	—	—
Died from other causes during attack of Ophthalmia Neonatorum	2	—	1
Removed	1	1	1
	— 34	— 26	— 20
Midwives' Cases—			
Eyes recovered	63	61	37
Eyes damaged	1	—	—
Died from other causes during attack of Ophthalmia Neonatorum	3	1	—
Removed	1	2	—
	— 68	— 64	— 37
Cases attended by Doctors and Midwives—			
Eyes recovered	1	2	2
	— 1	— 2	— 2
Jessop Hospital Cases—			
Eyes recovered	2	17	5
Died from other causes during attack	—	1	—
Removed	—	—	1
	— 2	— 18	— 6
Firvale Hospital Cases—			
Eyes recovered	3	3	4
Died from other causes during attack of Ophthalmia Neonatorum	—	—	1
Removed	1	—	—
	— 4	— 3	— 5
Nether Edge Hospital Cases—			
Eyes recovered	—	4	2
Removed	1	—	—
	— 1	— 4	— 2
Out of Town Cases—			
Results not ascertained	—	2	—
	—	— 2	—
Unattended—			
Died from other causes during an attack of Ophthalmia Neonatorum	2	—	—
	— 2	—	—
	112	119	72
Transferred to following year	8	11	3
Total	120	130	75

MATERNITY CLINIC.

	1927.	1928.	1929.
Total attendance during the year	2,094	5,126	9,415
Total attendance from commencement	6,018	11,144	20,559
Number of Sessions during the year	126	274	394
Average attendance at each session	17	19	24
Total new cases during the year	730	1,281	1,821

Cases sent by—			
Centre Staff :			
Doctors	14	26	15
Inspectors	104	128	120
Certified Midwives	187	203	180
Outside Doctors	20	51	95
Friends	240	770	1,292
Jessop Hospital	1	—	—
Nether Edge Hospital	1	—	—
M.O.H.	1	—	—
Councillor	1	—	—
Salvation Army	3	—	—
Council of Social Service	1	—	—
Attended previously	44	81	105
Came unadvised	113	—	—
Miscellaneous	—	22	14
	730	1,281	1,821

Cases sent to the various hospitals (except Nether Edge) from the Maternity Clinic :—

The Jessop Hospital.	
For confinement	34
For examination or treatment	59
Firvale Hospital.	
For confinement	50
For examination or treatment	8
Royal Hospital	3
Dispensary	2
Out of Sheffield Doctor	1
	157

BABY CONSULTATIONS.

Centre.	1927.	1928.	1929.
Total attendances during the year	48,249	53,553	55,142
Average weekly attendances during the year	928	1,050	1,060
Total attendances from commencement to the end of the year	598,976	652,529	707,671
Number of sessions during the year (excluding Saturday mornings)	1,461	1,450	1,494
Average attendance per session per doctor (excluding Saturday mornings)	33	37	37
Number of sessions taken by doctors	953	933	1,023
Number of sessions taken by inspectors	508	517	471
Total new babies during the year	3,630	4,020	3,911
Average of new babies weekly	70	79	75
New babies over 1 year	418	568	424
New babies under 1 year	3,212	3,452	3,487
	lbs.	lbs.	lbs.
Dried Milk and Other Foods Sold	151,548	149,513	158,874

ATTENDANCES PER MONTH—

	1927		1928		1929	
	New Cases	Total Attendances	New Cases	Total Attendances	New Cases	Total Attendances
January	269	3,633	341	4,218	341	4,587
February	304	3,501	328	4,033	249	3,278
March	396	4,646	344	4,280	385	4,489
April	294	3,693	340	4,075	383	4,664
May	336	4,364	339	4,318	308	4,760
June	293	3,969	424	4,872	339	4,577
July	305	4,022	371	5,202	380	5,337
August	335	4,270	304	4,629	340	4,883
September	294	4,210	344	4,532	330	5,101
October	321	4,317	367	5,250	350	5,307
November	305	4,480	312	4,804	278	4,403
December...	178	3,144	206	3,340	228	3,756
	3,630	48,249	4,020	53,553	3,911	55,142

Woodhouse Branch.	1927.	1928.	1929.
Total attendances during the year	1,411	1,466	1,639
Number of sessions during the year...	52	52	51
Average attendances per session	27	28	32
Total new babies during the year	105	100	114

Handsworth Branch—			
Total attendances during the year	710	785	630
Number of sessions during the year	25	25	26
Average attendances per session	28	31	24
Total new babies during the year	60	74	54

TABLE XL.

SHEFFIELD QUEEN VICTORIA DISTRICT NURSES.

Summary of Work done on behalf of Health Committee during 1929.

		Cases dealt with	Number of Visits.
Pneumonia		2,446	5,998
Tuberculosis—			
Medical	188		
Surgical	167		
		355	2,355
Diarrhœa—			
Under 5 years		2	20
Erysipelas		11	485
Ophthalmia		3	254
Whooping Cough—			
Under 5 years	60		
Over 5 years	44		
Adults	4		
		108	350
Measles—			
Under 5 years	133		
Over 5 years	66		
Adults	5		
		204	491
Typhoid Fever		3	179
Scarlet Fever		4	66
Encephalitis Lethargica		12	506
Diphtheria		2	16
Totals		3,150	10,720

MATERNITY CLINIC.

(Report by Dr. Agnes S. McIntyre, M.B., Ch.B.).

Reviewing the work of the year, the number of attendances is nearly double that of 1928. The number of attendances per session has again risen, this year to 24 as compared with 19 last year.

The following tables are self explanatory and there are no extraordinary features among them.

	1927.	1928.	1929.
Total attendances during the year	2094	5126	9415
Total attendances from commencement	6018	11144	20559
Number of sessions during the year	126	274	394
Average attendances per session	17	19	24
Total new cases during the year	730	1281	1821

Sent by :—

Centre Staff :—	
Doctors	15
Inspectors	120
Doctors	95
Midwives	180
Friends	1,292
Attended previously	105
Miscellaneous	14
	1,821

During the year 1,651 charts have been completed and the results are as follows :—

- 1,304 babies were born alive.
  - 1,115 by normal delivery.
  - 91 by instrumental delivery.
  - 1 instrumental, prolapsed cord.
  - 38 premature.
  - 1 premature, breech.
  - 2 premature, instrumental
  - 1 induction, premature.
  - 19 breech.
  - 1 breech and extended arms.
  - 2 face presentation.
  - 1 internal version.
  - 1 surgical induction, footling.
  - 2 induced labour.
  - 4 Cæsarean section.
  - 12 normal babies (i.e. 6 twin pregnancies).
  - 6 premature babies (3 twin pregnancies).
  - 1 normal. } twins.
  - 1 instrumental. } twins.
  - 1 living 1 still—twins—see below for stillbirth.
  - 2 premature breech (1 twin pregnancy).
  - 2 instrumental (1 twin pregnancy).
- 40 miscarriages and abortions.
- 62 babies were stillborn (of these babies 2 were twins, and 1 was the result of a twin pregnancy).
- 3 cases where the mother died before the baby was born.
- 167 mothers were not pregnant.

21 cases could not be traced.
25 cases from outside the City.
43 cases attended the post-natal clinic.

1,665 (the twin pregnancies are counted as 2 cases).

Details available *re* the 102 miscarriages and stillbirths show that:—

3 were due to strangulation of cord; 18 mothers had albuminuria; 17 cause unknown; 6 traumatic (1 cat bite); 2 heart disease; 7 were difficult instrumental deliveries; 7 had glycosuria; 6 placenta praevia; 13 had pathological pregnancy; 2 repeated stillbirths and miscarriages; 1 hydrocephalus; 1 uterine inertia; 7 breech presentation; 2 premature; 1 Cæsarian section; 3 anæmia; 1 influenza; 1 tuberculosis; 1 syphilis; 1 uterine prolapse; 1 overwork; 1 high blood pressure.

It is with regret that I must include the maternal deaths tabulated below:—

8 died from puerperal septicæmia; 2 pulmonary embolus; 1 spontaneous rupture of uterus from previous cæsarean section scar; 1 ante-partum hæmorrhage; 3 pulmonary tuberculosis; 1 cerebral thrombosis.

It will be noted that only 8 or 50% of these deaths were due to what could be regarded as preventable causes.

In view of the large proportion of maternal deaths attributed to sepsis the present world-wide inquiry into its hidden cause is anxiously awaited.

NETHER EDGE MATERNITY HOSPITAL.

	March-Dec. 1927	1928	1929
Confinements	56	239	596

Number of confinements per month during 1929:—

January, 43; February, 47; March, 45; April, 39; May, 44; June, 56; July, 52; August, 46; September, 64; October, 66; November, 45; December, 49. Total, 596.

The following have occurred at the Nether Edge Maternity Hospital during the year 1929:—

26 stillbirths (twins and 1 twin).
3 mothers died (1 died at Norton Hospital—removed from Nether Edge).
10 babies died—
  2 died 10 minutes after birth (1 was a twin).
  2 died on the first day.
  3 do. fourth day (1 was a B.B.A.).
  1 do. sixth day (twins at 4th and 6th day).
  1 do. 21st day } twins.
  1 do. 22nd day }
3 cases of Puerperal Pyrexia.
1 case of Puerperal Pyrexia subsequently notified as Puerperal Fever. (Mother died).
1 case of Puerperal Pyrexia Broncho Pneumonia.
8 cases of twins.
2 cases of Ophthalmia Neonatorum (1 notified from Royal Infirmary).
3 cases of blood transfusion.
8 cases of pemphigus.

A number of cases have been sent by the Doctors at the Maternity Clinic for ante-natal treatment, also cases have been sent to the Nether Edge Hospital for examination.

Cases on the books at the 31st December, 1929 216

PREVENTION AND TREATMENT OF VENEREAL DISEASES.

The Clinics at the Royal Infirmary, Royal Hospital, Jessop Hospital for Women, and Children's Hospital, continued in full operation during the year 1929.

It will be noted from Table XLI that the new cases treated totalled 1,255, as against 1,409 for the previous year but that there was an increase in the number of attendances of patients. The average number of attendances per case was 34·8, which is the highest yet recorded.

It cannot be too clearly understood that the expenditure on the treatment of Venereal Diseases is wasted unless patients remain under treatment until a permanent cure can be guaranteed.

The total cost of treatment during the year was £6,500 and the average cost per case £5 3s 7d.

Table XLII. gives particulars of pathological examinations made in the Bacteriological Laboratory of the University, of specimens sent for diagnostic purposes by medical practitioners residing in the City.

Table XLIII. gives particulars of all the Clinics in connection with the Sheffield scheme, together with a statement of the average number of patients attending during each quarter of the year.

Table XLIV. gives a summary of the returns from the several hospitals with regard to persons dealt with, distinguishing between Sheffield residents and residents of other districts who have come in for treatment. It should be pointed out that, while the latter receive treatment at the expense of the Department, the Department is recouped in the grant from the Ministry of Health, which in the case of the Venereal Disease account is fixed at 75 per cent., whereas in the case of other grant-aided schemes the percentage is 50.

TABLE XLI.—*Venereal Diseases.—Cases Treated and Cost of Treatment since* 1920.

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Total Persons dealt with for the first time ...	2,418	1,967	1,399	1,430	1,403	1,196	1,300	1,288	1,409	1,255
Total Persons dealt with ...	4,876	4,464	3,896	3,747	3,034	2,938	3,089	2,835	2,986	2,898
Total Attendances at the Out-patient Clinics	28,370	30,366	27,529	38,013	38,057	35,423	44,305	40,544	42,184	43,667
Average number of Attendances per case ...	11·7	15·4	19·7	26·6	27·1	29·6	33·9	31·5	29·9	34·8
Total "In-patient days" of Treatment	2,893	2,044	2,157	2,859	1,779	1,905	1,686	2,351	1,716	1,822
Total Cost of Treatment during financial year ended March following year stated ...	£9,463	£8,140	£6,720	£6,853	£6,246	£6,293	£6,299	£6,513	£6,626	£6,500
Average Cost per Person dealt with for the first time	£3/18/3	£4/2/9	£4/16/1	£4/15/10	£4/9/0	£5/5/3	£4/16/11	£5/1/2	£4/14/1	£5/3/7

TABLE XLII.—*Venereal Diseases.—Pathological Examinations made in the Bacteriological Laboratory of the Sheffield University during each year since* 1920

Nature of Test.	Number of Tests.									
	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
For detection of Spirochetes—										
For Treatment Centres	1	...	2	3	2	2	3	4	13	18
For Practitioners	3	3	6	2	4	2	3	7	5	...
For detection of Gonococci—										
For Treatment Centres ...	5,728	5,332	4,079	3,550	3,278	2,829	2,595	2,266	2,172	2,512
For Practitioners	92	201	340	561	598	584	531	572	622	577
For Wassermann reaction—										
For Treatment Centres ...	3,492	2,227	1,505	1,528	1,349	1,337	1,178	1,618	1,527	1,230
For Practitioners	151	1,197	1,160	1,459	2,013	2,173	2,386	2,696	2,929	2,965
OTHER EXAMINATIONS.										
Gonococcal Complement Fixation Tests—										
For Treatment Centres ...	1,226	333	62	3	1	...	...	...	...	...
For Practitioners	...	4	2	2	...	...	...	...	...	...
Cultural Tests—										
For Treatment Centres ...	...	...	10	57	4	3	12	10	3	1
For Practitioners	...	...	...	...	9	4	...	6	...	...
TOTALS	10,693	9,297	7,166	7,165	7,258	6,934	6,708	7,179	7,271	7,303

TABLE XLIII.—*Venereal Diseases.—Clinics and Attendances during 1929.*

Institution	Medical Officer	Days and Hours of Consultations.	Average Number of Patients attending				
			1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Whole Year
Royal Infirmary	Dr. Rupert Hallam... ...	Monday, 1.30 p.m. to 4 p.m. (Syphilis)...	21	18	25	17	20
		Tuesday, 1.30 p.m. to 4 p.m. (Syphilis)	39	37	36	39	38
		Thursday, 1.30 p.m. to 4 p.m. (Syphilis)	47	42	48	47	46
	Dr. W. J. Lytle ...	Friday, 5 p.m. to 7 p.m. (Gonorrhœa)	29	26	36	45	34
	Dr. Rupert Hallam... ... Dr. W. J. Lytle ...	Wednesday, 6 p.m. to 8 p.m. for Males only, Syphilis and Gonorrhœa	88	91	99	106	96
Royal Hospital	Dr. E. F. Skinner	Tuesday, 11 a.m. to 1 p.m. Men and Women (Syphilis)	6	5	4	4	5
		Thursday, 11 a.m. to 1 p.m., Women only do.	16	9	9	6	10
		Thursday, 7 p.m. to 9 p.m., Men only do.	9	9	7	9	9
		Saturday, 2 p.m. to 4 p.m., Men only do.	16	13	12	13	14
	Dr. J. B. Ferguson Wilson ...	Tuesday, 7 p.m. to 9 p.m., Men only (Gonorrhœa) ...	33	33	37	34	34
		Friday, 7 p.m. to 9 p.m., Men only do. ...	37	39	36	33	36
Jessop Hospital for Women ...	Dr. J. Chisholm.	Tuesday, 5 p.m. to 7.30 p.m.	28	28	36	39	33
		Thursday, 5 p.m. to 7.30 p.m.	33	31	33	27	31
		Saturday, 11 a.m. to 1.30 p.m.	10	10	13	11	11
Children's Hospital	Dr. H. Leader	Wednesday, 2 p.m. to 4.30 p.m....	9	8	10	9	9

TABLE XLIV.—*Venereal Diseases. Summary of Returns with regard to Persons dealt with, Attendances, etc. during the year 1929, and three previous years.*

		AREA OF RESIDENCE OF PATIENTS.											
		COUNTY BOROUGHS.						COUNTIES.					
		Sheffield	Roth'h'm	Barnsley	Don's'ter	Leeds	Other	Y'ks.W.R.	Notts.	Derbys.	Lincs.	Other	Total
Persons dealt with for the first time at or in connection with the Out-patient Clinics	Royal Infirmary ...	407	16	12	5	—	15	38	12	7	—	—	512
	Royal Hospital ...	401	—	—	—	—	—	33	—	11	—	—	445
	Jessop Hospital ...	212	2	—	—	—	—	33	—	9	3	1	260
	Children's Hospital ...	34	1	1	—	—	—	2	—	—	—	—	38
	Totals, 1929	1054	19	13	5	—	15	106	12	27	3	1	1,255
	Totals, 1928	1,204	25	16	—	—	12	98	16	36	1	1	1,409
	Totals, 1927	1,097	34	13	4	1	9	86	8	36	—	—	1,288
	Totals, 1926	1,069	32	22	5	—	23	101	18	30	—	—	1,300
Total attendances at the Out-patient Clinics	Royal Infirmary ...	24,843	715	364	169	—	585	1053	364	221	—	—	28,314
	Royal Hospital ...	9,989	—	—	—	—	—	396	—	130	—	—	10,515
	Jessop Hospital ...	3,529	92	—	—	—	—	506	77	129	1	2	4,336
	Children's Hospital ...	403	3	6	—	—	—	4	23	68	—	—	502
	Totals, 1929	38,764	810	370	169	—	585	1,959	464	543	1	2	43,667
	Totals, 1928	38,185	651	291	117	1	520	1,280	373	764	2	—	42,184
	Totals, 1927	36,666	554	358	169	3	312	1,337	420	725	—	—	40,544
	Totals, 1926	39,510	881	701	148	—	127	1,809	321	808	—	—	44,305
Aggregate number of " In-patient days " of all patients	Royal Infirmary ...	170	—	—	—	—	—	—	—	—	—	—	170
	Royal Hospital ...	195	—	—	—	—	—	4	—	—	—	—	199
	Jessop Hospital ...	970	22	—	—	—	—	199	29	64	52	—	1,336
	Children's Hospital ...	88	—	—	—	—	—	13	—	16	—	—	117
	Totals, 1929	1,423	22	—	—	—	—	216	29	80	52	—	1,822
	Totals, 1928	1,171	—	—	—	13	—	375	79	60	—	18	1,716
	Totals, 1927	1,792	54	—	—	—	—	213	45	247	—	—	2,351
	Totals, 1926	1,405	32	49	—	—	5	181	—	14	—	—	1,686

SALE OF FOOD AND DRUGS ACTS.

TABLE XLV.—*Results of Analyses during 1929.*

Article	Total Samples Submitted	Formal Samples		Informal Samples	
		Genuine	Adulterated	Genuine	Adulterated
Milk	798	683	24	83	8
Skimmed Milk	12	11	...	1	...
Condensed Milk	4	...	...	4	...
Cream	25	...	...	24	1
Butter	79	4	...	75	...
Cheese...	12	...	...	12	...
Margarine	14	1	...	13	...
Lard	2	...	...	2	...
Potted Meat	16	...	...	16	...
Potted Fish	2	...	...	2	...
Tinned Peas	1	...	...	1	...
Sausages	19	1	...	18	...
Beef Suet	2	...	...	2	...
Coffee and Chicory Extract...	1	...	...	1	...
Tea Siftings	1	...	...	1	...
Honey	2	...	....	2	...
Jam	4	...	...	4	...
Mince Meat	3	...	...	3	...
Sweet Meats	3	...	...	3	...
Ground Nutmeg	1	...	...	1	...
Ground Ginger	7	...	...	7	...
Ground Almonds	2	...	...	2	...
Chopped Candied Peel ...	1	...	...	1	...
Baking Powder	10	...	...	10	...
Mustard	3	1	1	1	...
Pepper	6	...	2	2	2
Vinegar	25	1	3	18	3
Malt Vinegar	5	...	1	3	1
Raspberry Vinegar	2	...	...	2	...
Vinegar Essence	1	...	...	1	...
Fruit Sauce	2	...	...	2	...
Cordials	5	...	...	2	3
Brandy	16	...	...	16	...
Whisky	18	1	1	14	2
Rum	7	...	...	7	...
Ammoniated Tincture of Quinine	2	1	...	1	...
Camphorated Oil	3	1	...	2	...
Cream of Tartar	1	...	...	1	...
Influenza Powder	1	...	...	1	...
Paregoric	2	...	...	2	...
Sweet Spirit of Nitre ...	8	...	...	8	...
Tincture of Iodine	1	...	...	1	...
Salvolatile	4	...	...	3	1
Total	1,133	705	32	375	21

	1925		1926		1927		1928		1929
Percentage of Adulteration ...	5·41	...	5·34	...	5·62	...	4·80	...	4·68

Nature of Samples	Number of Cases	Results
Milk	1	Fine—£50.
Milk	23	Four times totalling £18; twelve Vendors warned; seven Vendors warned and charged Costs.
Mustard	1	Dismissed; both against Vendor and Manufacturer.
Vinegar	3	Fines of £2; £1; and one warned.
Malt Vinegar	1	Vendor warned.
Whisky	1	Fines—£3.

MILK SUPPLIES.

A special investigation was made of the milk supply of Sheffield and the following statement shows the quantity and source of our milk supply.

The amount of milk consumed works out at only 0.35 of a pint per head of the population per day.

Total daily consumption of milk in the City	22,435 gallons.
Population of Sheffield	518,000.
Average daily consumption per head of population	0.35 pints

Source of supplies :—

Milk produced within the City boundary from 2,228 cows... ...	5,570 gallons.
Brought in from outside the City by road and rail	16865 gallons.

Of the latter amount 6,199 gallons arrive from Derbyshire by road.

4,780	,,	,,	,,	,, rail.
3,850	,,	,,	,,	Yorkshire by road.
198	,,	,,	,,	,, ,, rail.
1,455	,,	,,	,,	Staffordshire by rail.
119	,,	,,	,,	Gloucestershire ,,
92	,,	,,	,,	Scotland ,,
87	,,	,,	,,	Notts. ,,
85	,,	,,	,,	Leicestershire ,,
16,865				

GRADED MILKS.

47½ gallons representing 380 bottles of certified milk produced on 2 farms outside the City are sold daily in Sheffield.

Two firms are licensed for producing Pasteurised milk in the City and the total daily sale of this milk is 4,900 gallons.

PATHOLOGY AND BACTERIOLOGY.

TABLE XLVI.—*Bacteriological Examinations at the Sheffield University during the year 1929.*

MONTH	Swabbings for Diphtheria	Serum for Typhoid	Biological Test of Milk for Tubercle Bacilli
January	356	56	137
February	178	84	65
March	171	43	98
April	198	6	97
May	247	43	110
June	181	39	105
July	229	79	117
August	168	37	105
September	209	39	76
October	511	89	93
November	321	46	110
December	257	32	86
Totals	3,026	593	1,199

Cost—

		£	s.	d.
3,026 Examinations of	Swabbings for Diphtheria at 3/6	529	11	0
593 ,,	Serum for Typhoid at 5/-	148	5	0
1,199 ,,	Milk for Tuberculosis at 15/-	899	5	0
SPECIAL EXAMINATIONS—				
71 Special Examinations, fees ranging from 5/0 to £1 1 0	...	60	2	0
	TOTAL	1637	3	0

Notes.—(1) In addition to the examinations carried out at the University, 206 microscopical examinations of Milk for Tubercle Bacilli were made at the Veterinary Department by the Staff; and 4,140 microscopical examinations of Sputa for Tubercle Bacilli were made by the Staff of the Tuberculosis Dispensary.

(2) Particulars of Examinations in connection with the Venereal Diseases Clinics are given in a table on page 91.

METEOROLOGY.

TABLE XLVII.—*Meteorology during 1929. Records taken at Weston Park (430 feet above sea level).*

Week ending.	Mean Barometer Corrected.	Mean Daily Sunshine (Hours).	Grass Minimum. Mean Daily Temperature	Soil 1 Foot. Mean Daily Temperature	Soil 4 Feet. Mean Daily Temperature	Air Maximum. Mean Daily Temperature	Air Minimum. Mean Daily Temperature	Total Rainfall. for the week. (Inches).
Jan. 5th	30·20	0·3	30	36·2	41·1	37	32	0·67
12th	30·59	0·4	29	35·2	40·1	36	31	0·45
19th	30·21	1·2	29	35·2	39·5	40	33	0·14
26th	30·27	1·3	29	34·8	39·1	38	31	0·20
Feb. 2nd	29·95	0·3	35	36·6	38·7	46	38	1·12
9th	30·20	0·2	32	37·8	39·6	42	33	0·19
16th	*	*	*	*	39·4	*	*	*
23rd	30·25	0·2	21	32·5	38·1	38	26	—
Mar. 2nd	30·31	3·0	23	32·6	37·1	35	25	0·13
9th	30·33	4·5	28	32·6	36·7	53	33	0·02
16th	30·45	1·0	32	33·5	36·4	50	36	—
23rd	30·19	2·8	33	36·6	37·0	52	37	0·05
30th	30·45	4·7	36	41·4	39·1	64	42	0·06
April 6th	30·03	4·7	34	41·8	40·8	50	37	0·18
13th	*	*	*	*	41·5	*	*	*
20th	30·13	4·4	37	42·8	41·9	55	40	0·02
27th	29·98	3·4	30	42·6	42·7	49	34	0·43
May 4th	29·80	3·1	34	43·6	43·0	51	38	0·52
11th	29·75	4·5	37	46·0	43·7	58	43	1·17
18th	30·02	6·2	37	46·1	45·1	58	43	0·36
25th	30·03	8·9	40	51·8	46·9	69	48	—
June 1st	30·26	6·0	45	53·6	48·8	64	47	0·42
8th	29·68	3·7	45	54·6	50·1	61	48	0·49
15th	29·99	8·1	43	55·2	50·9	66	49	0·74
22nd	30·19	7·6	46	56·9	52·1	65	51	0·11
29th	30·11	7·4	43	55·6	53·0	61	47	0·01
July 6th	29·83	2·5	45	55·7	53·2	62	50	0·48
13th	30·21	5·7	47	56·0	53·1	69	52	0·05
20th	30·17	11·2	49	59·5	53·8	78	55	—
27th	30·06	6·3	50	60·6	55·7	70	55	0·04
Aug. 3rd	*	*	*	*	*	*	*	*
10th	29·83	4·7	49	57·6	56·0	65	52	0·58
17th	30·04	6·4	46	58·0	55·7	66	51	0·25
24th	30·06	2·4	50	57·8	55·6	67	50	0·35
31st	30·01	7·2	47	58·8	56·0	71	53	0·25
Sept. 7th	30·11	7·6	48	59·0	56·2	72	55	0·13
14th	30·13	5·1	46	58·5	56·6	62	53	—
21st	30·00	3·8	45	56·5	56·3	64	50	0·16
28th	30·30	5·7	42	55·0	55·4	67	50	0·21
Oct. 5th	29·74	4·4	39	53·3	54·7	57	45	2·10
12th	29·80	4·4	39	51·2	53·3	57	45	0·57
19th	30·06	3·3	41	51·7	52·6	59	48	0·25
26th	29·52	2·3	34	49·1	51·8	52	40	0·78
Nov. 2nd	29·97	3·0	32	45·4	50·2	49	37	0·70
9th	29·93	1·8	37	45·1	48·5	51	41	0·82
16th	29·52	3·0	30	43·1	47·7	44	34	1·88
23rd	29·64	0·7	36	43·4	46·0	51	40	1·26
30th	29·48	1·5	36	44·4	46·0	51	42	2·04
Dec. 7th	29·18	1·9	36	43·4	45·8	49	41	2·39
14th	29·42	1·8	35	41·9	45·0	50	39	1·76
21st	30·29	2·6	29	40·1	44·4	42	35	0·40
28th	29·38	1·2	31	38·7	42·8	44	35	2·31

* Records not available.

REPORT OF THE CHIEF VETERINARY OFFICER,

Mr. J. S. Lloyd, F.R.C.V.S., D.V.S.M.(Vict.),

for the Year ending December 31st, 1929.

The following Officers assisted me in carrying out the duties under the Diseases of Animals Acts and Orders, Milk, Meat, and other foods Inspection; the sampling of milk for bacteriological examination; the care and supervision of the Corporation Horses, and other duties in connection with the Department:—

Mr. Wm. Tweed, M.R.C.V.S., D.V.S.M., Senior Assistant Veterinary Officer.
Mr. A. Walker, M.R.C.V.S., D.V.S.M., Assistant Veterinary Officer.
Mr. G. Tullis, M.R.C.V.S., D.V.S.M., Assistant Veterinary Officer.
Mr. F. Unwin, Inspector of Meat and other Foods.
Mr. O. Stewart, Milk and Dairies Inspector.
Mr. A. G. Ball, Detention Officer.
Mr. A. P. Moran, Detention Officer.
Mr. A. N. Watson, Detention Officer.
Mr. E. C. Bishop, Chief Clerk.
Mr. J. H. Kirtland, Junior Clerk.
Mr. F. Unwin, junr., Assistant.

One Veterinary Officer and three Detention Officers were employed whole time at the Corporation Abattoir carrying out Meat Inspection.

Diseases of Animals Acts and Orders.

The Diseases of Animals Act of 1894, with its nine amending Acts of 1896 to 1927 confer the powers upon which State action is based. They confer upon the Ministry of Agriculture wide powers to make Orders for these and other specified purposes:—

(1) The declaration of Infected Places.

(2) The prohibition or restriction of the movement of animals into, out of, or within such places and areas, and the exposure of animals in markets, sales and exhibitions.

(3) The control of importation of foreign animals, carcases, fodder, etc., for the purpose of preventing the introduction of disease from without.

(4) The muzzling and control of dogs.

(5) The protection of animals and poultry from unnecessary suffering during transit by land or sea.

In addition to numerous Acts and Orders at present in force in relation to Contagious Diseases of Animals, Meat, Milk and Food Inspection generally, the following most important Orders and Regulations were issued by the Ministry of Agriculture during the year, the execution and enforcement of which are incumbent on the Local Authority:—

Foreign Hay and Straw (Amendment) Orders Nos. 1, 2, 3, 4 and 5.
Quarantine Stations (Regulation) Orders Nos. 1 and 2.
Foot and Mouth Disease (Infected Areas Restrictions) (Amendment) Order of 1929.
Glanders or Farcy Order of 1929.

The following is a list of Contagious Diseases which are scheduled under the above:—

Anthrax, Foot and Mouth Disease, Parasitic Mange of Horses, Rabies, Sheep Scab, Sheep Pox, Swine Fever, Cattle Plague, Pleuro-Pneumonia, Epizootic Lymphangitis, Glanders and Farcy, Epizootic Abortion of Cattle.

Anthrax.

One outbreak of Anthrax was discovered in a slaughtered animal sent into Sheffield from the West Riding as an emergency slaughter and dressed for food overnight. Cases of anthrax in animals occur periodically and the great importance of not attempting to cut or dress an animal taken suddenly ill and found on the point of death, or animals found dead, is impressed upon stock owners because of the risk of infection to humans. As a routine procedure, all emergency slaughtered animals suspected to be suffering from this disease are first examined and anthrax negatived before dressing of the carcase is allowed.

Rabies.

No case of rabies has occurred in Great Britain since 1922, and with a view of preventing the introduction of Rabies from abroad, imported dogs have to be detained and isolated for 6 months on premises approved by the Ministry of Agriculture unless brought in for performing purposes. They are licensed to these places by the Ministry and kept under supervision by the Local Authority. In the latter case they are permitted to go from different places of performance and detained and isolated at these places.

These regulations are carried out when imported animals arrive in Sheffield. Suspected cases of Rabies are also reported to the Department, such as dogs suffering from hysteria and convulsions. These cases are investigated and kept under observation.

Foot and Mouth Disease.

No outbreaks of this disease occurred in the City during the year. The precautions to reduce the risk of infection occurring which are laid down in the Foot and Mouth Disease Orders made by the Ministry of Agriculture were put into effect.

Careful ante and post-mortem examinations were made of all animals arriving for slaughter in the City, as the danger of receiving infection is great because they are drawn from markets all over the British Isles.

Parasitic Mange.

One suspected case of this disease was investigated during the year, but the disease was not confirmed.

One of the first Orders dealing with Parasitic Mange was granted by the Ministry of Agriculture and Fisheries to Sheffield, and the value of the precautions taken under the Order is shown by the fact that the disease in Sheffield is now almost non-existent.

Swine Fever.

Sixty-nine cases of deaths in pigs were reported to the Ministry of Agriculture and Fisheries during the year in compliance with the Swine Fever Order. These cases were investigated by Veterinary Inspectors of the Ministry and four were confirmed as Swine Fever. The carcases of the affected animals were destroyed at the Corporation Destructor and the usual precautions were taken with regard to the disinfection of the infected premises. Isolation of contact pigs and the destruction of the carcases of animals subsequently becoming diseased were carried out by the Officers of the Department.

Swine Erysipelas.

Of the 69 cases of deaths of pigs in the city a large percentage was due to Erysipelas infection. In most of these cases the owners were advised as to the precautions they should take in regard to preventive measures against the spread of this disease to other pigs.

Epizootic Abortion.

No case of this disease was found in the City during the year. The Epizootic Abortion Order prohibits the exposure of the animals in markets, the sale privately of affected animals without previous information being given to the intending purchaser, and the service of cows within two months of calving prematurely. The infection passes into the milk supply from the udder and at present investigations are being carried out as to the extent of its transmissibility to humans where it causes symptoms of an influenza type and is thought to be more common than previously thought.

Sheep Scab.

Several consignments of sheep were received into the City for slaughter which had been in contact with diseased animals. These animals were accompanied by licence for which permission had been granted to the sending Local Authority. They were not allowed contact with other animals on the journey and after slaughter their fleeces were immersed in disinfecting solution.

Tuberculosis Order, 1925.

During the year 572 inspections of the herds in the City were carried out by the Veterinary Officers. 37 cows were found suffering from the scheduled forms of Tuberculosis and were slaughtered under the Order. Of these 17 were found to be affected with tuberculosis of the udder and 19 with other forms of tuberculosis. On post-mortem, one animal was found to be not affected with tuberculosis.

Table showing the number of animals dealt with and the total compensation paid.

	1926.			1927.			1928.			1929		
Estimated No. of cows in herds examined	3854			3076			2970			2737		
No. of animals slaughtered	82			57			49			37		
No. affected with T.B. of the udder ..	32			23			20			17		
No. affected with other forms of T.B. ..	50			34			29			19		
No. with advanced T.B. on post-mortem	48			20			28			21		
No. not advanced T.B. on post-mortem	34			37			21			15		
No. not affected on post-mortem ..	0			0			0			1		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Total compensation paid	357	10	0	331	5	0	272	0	0	210	0	11
Amount of Exchequer Grant ..	268	2	6	248	8	9	204	0	0	153	3	9
Salvage Received	304	9	1	248	5	2	223	2	2	141	18	11
Excess Salvage Paid	40	5	9	6	5	8	2	0	5	4	18	11
Balance towards administration ..	174	15	10	153	3	3	153	1	9	85	1	9

Dairy Inspection.

Graded Milk.—Under the Milk (Special Designations) Order issued by the Ministry of Health, four grades of milk are mentioned: "Certified," "Grade A Tuberculin Tested," "Grade A," and "Pasteurised." One application has been made for a licence to sell "Certified" milk and two applications have been made with regard to "Pasteurised" milk. Efforts have been concentrated more on the improvement of the general supply.

Under the Milk and Dairies (Consolidation) Act 1915, the Milk and Dairies (Amendment) Act 1922, and the Milk and Dairies Order 1926, applications for registration by milk retailers were dealt with by the Sanitary Sub-Committee, 44 being granted, 6 refused and 2 withdrawn.

As in previous years, the Health Committee demanded that before granting registration to a retailer, he should provide satisfactory accommodation for the cooling and storing of milk and the washing and storing of milk utensils.

Bacteriological Examination of Milk for Coliform Organisms.—80 samples of mixed milk were examined for the presence of coliform organisms, 21 of which were found to be contaminated. The premises from which these contaminated samples came were inspected by a Veterinary Officer and Dairy Inspector and suggestions for improving the sanitary conditions of the farms were sent to the occupiers and the local Sanitary Officers.

In this way it is hoped to effect an improvement in the methods of clean milk production of our City's supply. The onus is placed on the producer to provide a wholesome milk which will keep as raw milk; whereas, if Local Authorities carried out pasteurisation of all the milk supplies as advocated as a means of ensuring a safe milk supply, cleaner methods of production would tend to deteriorate. The value of clean milk production in some farms would be lost when it was mixed with that from other farms producing badly contaminated milk. Pasteurisation is first and foremost an asset to the milk trader because it delays the onset of souring, which takes place more rapidly in dirty milk, but it will not make dirty milk clean.

ELIMINATION OF TUBERCULOUS INFECTION FROM THE CITY HERDS' MILK SUPPLY.

There are 155 cowkeepers resident within the City, the milk from the herds being principally retailed by the owners within the City. The total maximum number of cows kept within the City was 2,053. Allowing each cow to be in a City cowshed for milking period of 8 months, it follows that about 684 fresh cows must be added to that number during the year, making about 2,737 cows in the City herds to be examined during the year.

The number of inspections of the City cows made was 5,935 and 17 cows having T.B. udders were discovered, equal to a percentage on 2,737 of 0.62. The number of visits made during the year by the Veterinary Officers to the farms in the City was 452.

ELIMINATION OF TUBERCULOUS INFECTION FROM THE COUNTRY HERDS' MILK SUPPLY.

There were 1,058 samples of mixed milk taken for bacteriological examination, 78 of which were found tuberculous equal to a percentage of 7.37, and 980 negative. The 78 tuberculous samples were traced, 93 visits being made to 85 farms and the udders of 1,288 cows examined. 55 cows suffering from tuberculosis of the udder and giving tuberculous milk were found.

A small percentage of mixed milk samples which were found tuberculous in the first instance, when traced and samples taken from the cows, proved negative. In some cases it was found that the diseased animal had been slaughtered in the interval during which the sample was undergoing the biological test. In others the infection was in all probability due in the first instance to contamination of some kind, either manurial from an animal diseased for instance in the lungs and swallowing tuberculous sputum, or improperly sterilised churns being interchanged between farms. It has been noted that farmers collecting empty returned milk churns from railway stations often take any empty churns available. It is also a custom for a farmer to borrow a few gallons of milk from another to make up his supply and he may in this way receive contaminated milk.

In tracing these milks, special samples are taken from cows with suspected tubercular disease of the udder and these are examined microscopically for tubercle bacilli. The cows showing no suspicion of disease in the udder have their milks grouped as a control sample and submitted to a bacteriological examination. If the special samples are found to contain infection, the particular animal is slaughtered. If infection is still found in the control sample, the cows implicated are re-examined until the animal giving tuberculous milk is found by taking special samples.

BACTERIOLOGICAL EXAMINATION OF MILK.

With a view to stopping the sale of milk from an animal affected with tubercular mastitis at the earliest possible moment, all the special samples taken from individual cows showing some abnormality of the udder were examined microsopically. If this examination results in the demonstration of tubercle bacilli, the cow is slaughtered forthwith. This means that in practically every case the milk from the rest of the herd is free from tubercle infection, so that the time and trouble taken in this examination is time well spent. Estimating the milk yield of a cow at 2¼ gallons per day, the average number of cows found on country farms visited at 15 and on city premises at 17, 33¾ gallons of milk from country farms and 38¼ gallons from city dairy premises were freed from infection daily where a tubercular cow was found. During the year 55 country and 17 city cows were found to be affected with tuberculosis of the udder by microscopical examination of the special samples. Thus 1845¼ and 650, equal to 2,495¼ gallons of mixed milk were freed from infection daily which otherwise would have been consumed in the city.

Since 1926 the investigation of tuberculous mixed samples has been carried out under the Milk and Dairies (Consolidation) Act and the necessary visits made in conjunction with the Officers of the Local Authorities of the producing areas.

The Tuberculosis Order of 1925 works in conjunction with the tracing of tuberculous milk under the Act, as it empowers the slaughter of animals which are a source of tuberculous infection in the milk supply. It also empowers the Local Authorities to slaughter other animals suffering from certain forms of tuberculosis which may not be actual sources of infection of the Milk supply at the time but are potential sources of the spread of the disease to other cows and to their milk supply and are infectious to other animals with which they come in contact.

The value of the diseased animal is agreed upon between the owner and the Local Authority of the area in which the premises are situated, and a percentage of the valuation is paid to the owner according to the extent of the disease found in the carcase on post-mortem examination.

The Tuberculosis Order is, therefore, a valuable Public Health measure in removing from dairy herds cows which are giving tuberculous milk. It is, however, regrettable that a small diminution is seen each year in the percentage of cows amenable to the Order.

The fact that all infected cows, even in the non-advanced stages of the disease, may be infective to other stock and are potential sources of future contamination of the milk supply with tubercle bacilli should the disease spread to the udder, and of the loss entailed to the owner and butcher by their possession of them, denotes the necessity for a further agricultural policy in the elimination of this disease at an early stage. This might be done by amending the Tuberculosis Order in such a way as to provide for the compensation of owners of herds licensed for the sale of tubercle-free milk for animals reacting to the Tuberculin Test which have to be removed at the owners' expense. The slaughter of these animals and the payment of compensation might encourage dairymen to free their herds from tuberculosis and prevent the exposure of these cows for sale in markets.

OTHER EXAMINATIONS OF MILK CARRIED OUT BY THE DEPARTMENT.

Complaints are periodically received from customers in regard to their milk supply through the presence of some abnormal colour or taste. In such cases samples are taken by the Food and Drugs Inspector and submitted to the City Analyst or this Laboratory. In this way it is possible to detect abnormalities in milk or the inclusion of milk from a diseased cow. An inspection of the herds on the premises from which the milk was dispatched is then made and the cause of the complaint investigated.

In the sampling of milk for analysis, under Section 6 of the Milk and Dairies (Consolidation) Act of 1915, the owner may apply to the Local Authority within 60 hours of the sample being taken for the Inspector of the Local Authority to take what is known as an "appeal to the cow" sample. The Inspector of the Local Authority who takes this sample at the dairy may take any steps he thinks necessary to satisfy himself that the sample is a fair one when the cows are properly and fully milked. In this connection six visits were made by the Assistant Veterinary Officers in company with the Food and Drugs Inspector. The Cows were examined on the completion of each milking and a certificate given when the cows were properly milked when the appeal to the cow sample was taken. These samples, taken direct from the cows, are of value in arriving at a decision as to the genuineness or otherwise of the original sample, if found below standard. The owner, in applying to the Local Authority for an appeal to the cows to be made, runs a risk of proving the abstraction of fat or the adulteration of his milk but, on the other hand, he may prevent a prosecution being taken if the appeal to the cow sample is below standard.

SUMMARY OF MILK SAMPLES EXAMINED BACTERIOLOGICALLY AND INSPECTION WORK CARRIED OUT.

Mixed Samples examined for Tuberculous Infection	1,058
Number found Tuberculous	78
Percentage	7.37
Control Samples	93
Number found Tuberculous	15
Percentage	16.1
Samples from suspicious cows	206
Tuberculous.—Biological	5
Tuberculous.—Microscopical	65
Tuberculous.—Total number found	70
Percentage of special samples found positive by Microscope	94.2
Number of farms visited in tracing Tuberculous Milk Samples	85
Number of Country cows Clinically examined for Tuberculosis of the udder, in following up tuberculosis mixed samples	1,288
Tubercular Udders found...	55
Number of cows with other forms of Tuberculosis, coming under the Tuberculosis Order, country	1
Number of Cows on Country farms where mixed milk samples were free from Tuberculous Infection ((Average number of cows on each farm—15) ...	14,700
Total number of Country Cows milk examined	15,988
Percentage of Country Cows with Tuberculosis of the udder	0.34
Number of City Cows clinically examined for Tuberculosis	5,935
Number of visits made to the City farms to examine Cows	452
Number of Tubercular udders found	17
Percentage of City Cows with tubercular Udders (Percentage on 2,737)	0.62
Number of Cows with other forms of Tuberculosis coming under the Tuberculosis Order, City	19
Slaughter of City and Country Cows affected with tuberculosis—found with advanced disease in carcase—46 Not advanced—46.	

NUMBER OF MILK SHOPS IN THE CITY REGISTERED FOR THE RETAIL SALE OF MILK.

(1) From Bulk	296
(2) From sealed bottles	583

NUMBER OF PURVEYORS OF MILK REGISTERED FOR THE RETAIL SALE OF MILK.

(1) City		1,138
(2) Country		212
Number of Cow-keepers Resident in the City		155
Number of Cow-keepers Registered for selling—	(1)—By Retail	69
	(2)—By Wholesale	34
Number of Cowsheds in the City—266 for 2,168 cows.		
Number of cows kept		2,053
Estimated number of Cowkeepers Residing outside the City		672
Estimated number of cows on such premises		10,080
(1) Selling Milk by Retail in the City		209
(2) Selling Milk by wholesale in the City		463

Contaminated Milk—

Number of samples taken for Examination	80
Results. Culture Positive—21. Negative—59.	
Number of visits paid to Country farms following Contaminated milk samples	106

INSPECTION OF HORSES CARCASES FOR EXPORTATION ABROAD.

Number of carcases submitted for examination	997
,, ,, passed for food	987
,, ,, condemned unfit for food	10
,, ,, exported abroad	966
,, visits paid to horse slaughter houses	379

These horses were slaughtered in three private slaughterhouses in the City, licensed for that purpose. It would be advisable for these animals to be killed and dressed in the Abattoir premises if such an arrangement could be adopted.

FISH INSPECTION.

The wholesale fish market and fish shops of the City were visited and quantities of unsound fish were surrendered for condemnation. Decomposition and staleness are the principal causes of condemnation.

Under the Shell Fish Regulations, action was also taken to stop the sale of mussels which were imported from areas reported to be polluted by sewage. 18 tons, 12 cwts, 3 qrs., of fish were condemned during the year.

GAME, POULTRY, AND EGGS INSPECTION.

The total condemnation was as follows:—55 turkeys, 34 fowls, 20 ducks, 6 geese, 43 pigeons, 2 plovers, 289 rooks, 6 partridges, 761 couples of rabbits, 2,728 eggs, and 18 hares.

FRUIT, VEGETABLES, AND OTHER FOODS.

Decomposition, and attacks by parasites, were the chief causes of condemnation. Total quantity condemned was as follows:—622 tins of canned goods, 39 boxes of pears, 40 boxes of apples, 39 baskets of plums, 50 bags of cabbage tops, and 21 chips of mushrooms.

In this connection it would be advisable if a clearing, or picking house, for sorting these goods was in operation in order that the material should not be allowed to be about on the market, and be again repicked by poor people.

A trade practice of buying damaged fruit and vegetables at a reduced price for picking could also be carried out under supervision.

CORPORATION STUD.

During the year 64 visits were paid for the examination and treatment of horses in the Corporation stables.

MOTOR CAR SERVICE.

Motor cars were hired from the Central Motor Garage of the Tramways Department during the year at a cost of £1,049/10/7 for 2,822½ hours, the distance travelled being 19,210 miles. This represents a cost of 1/1d. per mile, or 6/- per hour. In addition taxi cabs were hired at a cost of £17/9/3.

MEAT INSPECTION.

During the year, the opening of the new Corporation Abattoir at Cricket Inn Road marks the greatest advance in the inspection of meat which has yet taken place in the City. The concentration of the slaughter of animals renders inspection of meat more efficient. The number of private slaughterhouses at the beginning of the year was 159, 41 of which belonged to the Corporation and were rented by butchers. Of the 118 private slaughterhouses, 58 were licensed annually under the Sheffield Corporation Consolidation Act. At the end of the year there were only 33 private slaughterhouses being used in the city.

The Abattoir was opened on June 7th, when the slaughter of animals commenced, and from that date up to December 31st, 14,965 cattle, 4,228 calves, 36,806 sheep, and 11,875 pigs were slaughtered in the main slaughter halls and 243 cattle, 10 calves, 35 sheep, and 13 pigs in the Isolation Slaughterhouse set apart from the main slaughter halls and in which all emergency slaughtered animals and any animals suspected to be suffering from disease in the lairages of the Abattoir are taken.

All carcases and offals were examined as laid down in Memo 62 (Foods) by the Meat Inspectors at the Abattoir, and any diseased carcase was labelled with a Detention label and taken by a by-pass rail to the Detention Room where the final judgment was made by a Veterinary Officer. In this way it is possible to detain carcases for 24 hours for further inspection to judge their suitability for food.

Isolation Slaughterhouse.—This serves a very useful purpose in a large Abattoir, because not only are animals suspected of suffering from disease before slaughter dressed there, but also it enables a record to be obtained of the illness, medicinal treatment, and so on, of emergency slaughtered animals and this is of great value in the judgment of the meat for food.

Owing to the great risk of receiving animals infected with anthrax which have been taken ill and bled on the farms by the owners, and sent in for final dressing and sale, a routine microscopical examination of all suspected cases of this disease can be carried out and no contact with the main slaughter hall takes place. In addition, animals which are slaughtered by the Corporation and Local Authorities outside the City under the Tuberculosis Order can be carefully kept under observation in this slaughter-house. The charges made for its use are the same as for the rest of the Abattoir and the accounts are paid in to the City Treasurer by this Department. A revenue of £64/6/0 was received up to the end of the year.

Condemned Meat.—From January 1st to June 7th, slaughtering was carried on at the Shambles and the private slaughter-houses, and the following tables show the weight of condemned meat and offal for this period. It was not possible to satisfactorily record the diseases for which it was condemned; but in the Abattoir a system of recording is adopted whereby the condemned meat of each butcher is noted together with the disease with which it was affected. A comparison in the weight of meat and offal condemned in the city prior to and after the opening of the Abattoir shows the value of the latter from a Meat Inspection point of view.

Month.			
January ..	8 tons	14 cwts.	3 qrs.
February..	7 ,,	5 ,,	0 ,,
March ..	8 ,,	8 ,,	1 ,,
April ..	8 ,,	2 ,,	1 ,,
May ..	6 ,,	16 ,,	3 ,,
*June ..	11 tons	14 cwts.	1 lr.
July ..	12 ,,	14 ,,	2 ,,
August ..	12 ,,	11 ,,	0 ,,
September	14 ,,	18 ,,	3 ,,
October ..	16 ,,	3 ,,	2 ,,
November	17 ,,	16 ,,	1 ,,
December	19 ,,	9 ,,	1 ,,

* Abattoir Opened, June 7th.

It is possible to ensure the inspection of all the meat in the Abattoir, whereas in private slaughter-houses this was entirely dependent on the co-operation of the butchers by retaining all the meat for inspection before its removal for sale, and there is no question but that the concentration of slaughter halls has been the means of discovering a considerably larger amount of diseased material.

AVERAGE WEIGHTS OF OFFAL.

CATTLE.		SWINE.
Heads	25 lbs. ..	14 lbs. or 1 lb. per stone of weight of carcase.
Tongues	5 lbs. ..	
Heads and Tongues	30 lbs. ..	
Lungs	10 lbs. ..	3 lbs.
Hearts	5 lbs. ..	½ lb.
Spleens..	2 lbs. ..	½ lb.
Livers	12 lbs. ..	4 lbs.
Bowels	7 lbs. ..	8 lbs (Bowel and Mesentry, 4 and 4).
Bowels and Mesentery Fat ..	42 lbs. ..	12 lbs.
Stomachs	40 lbs. ..	2 to 2½ lbs.
Kidneys	2 lbs. ..	½ lb.
Udders	10 lbs. ..	—
Tails	1½ lbs. ..	—

AVERAGE WEIGHT OF SHEEP AND CALVES OFFAL.

Heads	6 lbs.
Lungs	2 lbs.
Spleens	½ lb.
Livers	2 lbs.
Bowels	6 lbs.
Stomachs	5 lbs.
Hearts	¾ lb.
Mesentery Fat	1 lb.

Weight of Sheep or Calves Pluck (Head, Lungs, Liver, Heart and Spleen) .. 10 lbs.

Carcases and Part Carcases Destroyed, June 7th, to December 31st, 1929.

No. of Animals Killed. (Including I.S.H.)	15207				4238				36841				11888				Weight.			
	Cattle.				Calves.				Sheep.				Swine.							
Diseases.	Whole.	Per Cent. Affected.	Part.	Per cent. Affected.	Whole.	Per Cent. Affected.	Part.	Per Cent. Affected.	Whole.	Per Cent. Affected.	Part.	Per Cent. Affected.	Whole.	Per Cent. Affected.	Part.	Per Cent. Affected.	Tons.	Cwts.	Qrs.	Lbs
Tuberculosis	98	0·64	117	0·77	4	0·09	—	—	2	0·005	—	—	8	0·07	7	0·06	28	19	1	15
Pseudo-Tuberculosis	—	—	—	—	—	—	—	—	1	0·002	—	—	—	—	—	—	—	—	2	4
Acute Enteritis ..	1	0·006	—	—	1	0·02	—	—	—	—	—	—	—	—	—	—	—	3	5	20
Congestion	—	—	—	—	1	0·02	—	—	1	0·002	—	—	—	0·008	—	—	—	2	3	1
Decomposition ..	—	—	4	0·03	1	0·02	—	—	3	0·007	3	0·007	1	0·008	—	—	—	8	1	27
Dropsy	4	0·03	2	0·01	—	—	—	—	10	0·02	8	0·02	1	0·008	—	—	—	16	1	13
Emaciation	—	—	—	—	—	—	—	—	4	0·01	1	0·002	—	—	—	—	—	1	2	13
Fevered	4	0·03	—	—	7	0·16	—	—	3	0·007	—	—	—	—	—	—	1	2	1	24
Gangrene	1	0·006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	1	1
Hydro-Nephrosis ..	—	—	—	—	—	—	—	—	1	0·002	—	—	—	—	—	—	—	—	2	4
Johne's Disease ..	4	0·03	11	0·07	—	—	—	—	—	—	—	—	—	—	—	—	1	5	3	20
Leucocythemia ..	—	—	—	—	—	—	—	—	1	0·002	—	—	—	—	—	—	—	—	2	4
Milk Fever	1	0·006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	1	24
Melanosis	—	—	—	—	—	—	2	0·05	—	—	—	—	—	—	—	—	—	—	—	22
Moribund	—	—	—	—	1	0·02	—	—	16	0·04	—	—	1	0·008	—	—	—	1	2	25
Neoplasms	—	—	—	—	—	—	—	—	2	0·005	—	—	—	—	—	—	—	—	2	26
Pneumonia (Non T.B.)	5	0·04	—	—	—	—	—	—	1	0·002	—	—	—	—	—	—	1	1	1	24
Pneumonia (Septic) ..	—	—	—	—	—	0·05	—	—	—	—	—	—	—	—	—	—	—	1	2	12
Peritonitis	3	0·02	—	—	—	—	1	0·702	2	0·005	1	0·002	—	—	—	—	—	15	3	21
Septic Mastitis ..	—	—	—	—	—	—	—	—	1	0·002	—	—	—	—	—	—	—	—	2	9
Swine Fever	—	—	—	—	—	—	—	—	—	—	—	—	8	0·07	—	—	—	4	2	18
Swine Erysipelas ..	—	—	—	—	—	—	—	—	—	—	—	—	6	0·06	—	—	—	7	2	9
Traumatism	1	0·006	1	0·006	1	0·02	1	0·02	1	0·002	2	0·005	—	—	2	0·016	—	7	3	11
Traumatic Pericarditis	1	0·006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	2	16
Umbilical Pyæmia ..	—	—	—	—	1	0·02	—	—	—	—	—	—	—	—	—	—	—	—	1	20
Weakness	1	0·006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	22
White Scour	—	—	—	—	1	0·02	—	—	—	—	—	—	—	—	—	—	—	—	2	12
Grand Total ..	124	0·83	135	0·88	20	0·46	4	0·09	49	0·11	15	0·04	26	0·2	39	0·08	36	19	1	25
Imported.																				
Bone Taint	—	—	6	0·04	—	—	—	—	—	—	—	—	—	—	—	—	—	7	1	1

Manufacture of Condemned Meat into By-products.

All the meat condemned was voluntarily handed over to the Corporation to be dealt with as they thought fit, on the agreement that the Corporation should pay compensation at the rate of 2/6d. per hundredweight for condemned carcases, no compensation being paid for condemned offal. In November a notification was received from the butchers that instead of handing this meat over to the Corporation they intended disposing of it to a private firm in the City trading as knackers, for the manufacture of by-products, this firm being prepared to pay more for the material.

The Corporation felt that this material should not be allowed to go out of their control after it had been condemned by them as unfit for food owing to the difficulty of satisfactorily controlling the disposal of condemned food throughout the City, and all unsound meat and offal was seized under the Public Health Act and ordered to be destroyed by a Justice of the Peace, when it was forthwith taken to the Corporation Destructor and burnt, no compensation being allowed for such seized material. A further notification was received from the butchers to revert to their former practice of handing the meat over to the Corporation on the terms of their agreed compensation pending further action by their legal advisor, and this arrangement was continued to the end of the year.

The Corporation intend to erect a plant at the Abattoir, and by more practical methods of handling the material, it is hoped that it will be possible to compensate the butchers for this meat to the satisfaction of all concerned.

Meat Marking.

Application was made to the Ministry of Health for permission to adopt a system of meat marking in the Abattoir. Permission for the use of the mark has also to be granted by the owners. The stamp, which bears the initials of the official using it, is affixed in several places on the carcase. So far application for the use of this stamp has only been made by butchers for meat which they intend to send outside the City and for meat which has had unsound portions removed in the Abattoir. For example, in local infections, after removal of the affected parts, the remainder is stamped so that such meat can be identified in case of re-inspection by another Authority.

It is hoped to encourage the stamping of meat after it has been inspected, owing to the difficulty in identifying meat which has been inspected. The most reliable method for this purpose is meat marking.

Imported Meat.

A large quantity of imported meat was sold in the City shops during the year, almost approximating in quantity that of fresh meat. Butchers selling this meat must affix imported meat labels under the Sale of Food Order, 1921, and these regulations were enforced throughout the City.

Examinations of imported sheep carcases for caseous lymph-adenitis was carried out systematically, and it has been found that the standard of inspection has been lately improved by the exporting countries.

Mechanical Stunning of Animals.

A new feature in the work of the Department is the carrying into effect of the Ministry of Health's Model Bye-law 9B. This Bye-law was adopted during the year by the City Council and sanctioned by the Ministry of Health, in spite of considerable opposition by the butchers to the mechanical stunning of small animals. At present the terms of the bye-law, which only excludes members of the Jewish faith, are being carried out and all animals slaughtered at the Corporation Abattoir or in private slaughterhouses are stunned with mechanically operated instruments before they are bled. The butchers who do not provide the instruments themselves may have them on loan from the Corporation with the cartridges, a charge of 2d.per head being made for the use of the gun and cartridges. A Corporation official was also appointed to stun animals when required.

Abattoir Laboratory.

The laboratory was used for the bacteriological examination of a large number of samples of food under inspection during the year.

Up to the present this work has not received the attention in this country which its importance warrants, and it is hoped that a more thorough bacteriological examination of meat, milk and other foods will be carried out in accordance with the latest work which has been done in this subject, chiefly by foreign food inspection departments.

Markets, Shops, Slaughterhouses and Stores.

In this connection the weekly live-stock markets at Wadsley Bridge and Furnival Road were attended by the Veterinary Officers for the inspection of live animals and the issue of licences under the Diseases of Animals Acts.

The slaughterhouses, wholesale meat and fish markets were regularly visited, and shops and food stores in the City were supervised for cleanliness and suitability for their purpose.

Meat slaughtered outside the City is notified by the owners for inspection, which is carreid out by an Inspector of the Department. The bye-law in operation requiring notification is in some respects unsatisfactory in that meat which has been inspected in the district of origin is exempt from notification provided that reasonable proof is given by the owner of such inspection having taken place and, as previously mentioned, the identification of meat unless marked is very difficult.

It may be thought advisable at a later date to require all meat dressed outside the City to be marked or to pass through a clearing house in the City subject to inspection.

Prosecutions.

For offences against the Public Health Act—

	£	s.	d.
Sale of unsound meat, 1 defendant fined ...	5	0	0
do. do. ...	5	5	0
Slaughtering on unregistered premises, 1 defendant fined ...	5	0	0
do. do. ...	2	10	0
do. 4 cases dismissed on payment of costs by Corporation.			

Sale of Food Order, failure to label imported meat—

	£	s.	d.
1 defendant fined ...	5	0	0
3 defendants fined (each) ...	2	0	0
1 case dismissed with costs.			

Regulation of Movement of Swine Order—

	£	s.	d.
Illegal movement of Swine, 1 defendant fined ...	5	0	0
do. 1 defendant fined ...	2	0	0

Animals (Record of Movement) Order—

Failure to keep register, 1 defendant fined 5 0 0

Milk and Dairies Order—

Failure to register, case withdrawn on payment of costs.

I have to thank all members of the staff for their willing co-operation and the Chief Constable and Police for their assistance.

CONTROL OF MILK SUPPLY.

	Number	Cost
		£ s. d.
Chemical Analyses of Milk under Sale of Food and Drugs Acts	1,133	679 16 0
Biological tests of Milk for Tuberculosis	1,199	899 5 0
Microscopical examinations of Milk for Tuberculosis ...	206	Work done by Veterinary Department Staff.
Clinical examinations of Cows	7,223	

Total Number Killed in Main Slaughter Halls.

	Beast.	Calves.	Swine.	Sheep.	Total.
Number Killed	14965	4228	11875	36806	67874
Total Condemned T.B. ..	60	4	8	2	74
Total Condemned Other Diseases	8	10	15	23	56
Total.. ..	68	14	23	25	130
	T. C. Q. L.	C. Q. L.	T. C. Q. L.	C. Q. L.	T. C. Q. L.
Weight Condemned ..	13. 15. 0. 2	8. 3. 2.	1. 0. 3. 26.	10. 3. 27	15. 15. 3. 1

Total Killed in Isolation Slaughter House.

	Beast.	Calves.	Swine.	Sheep.	Total.
Number Killed	242	10	13	35	300
Total Condemned T.B. ..	38	—	—	—	38
Total Condemned Other Diseases	18	6	3	24	51
Total.. ..	56	6	3	24	89
	T. C. Q. L.	C. Q. L.	C. Q. L.	C. Q. L.	T. C. Q. L.
Weight Condemned ..	10. 17. 0. 18.	5. 0. 8.	4. 0. 7.	13. 2. 14	11. 19. 3. 19.

Total Carcases Condemned in Main Slaughter Hall, and Isolation Slaughter Hall.

	Beast.	Calves.	Swine.	Sheep.	Total.
Total Condemned T.B. ..	98	4	8	2	112
Total Condemned Other Diseases	26	16	18	47	107
Total	124	20	26	49	219
	T. C. Q. L.	C. Q. L.	T. C. Q. L.	T. C. Q. L.	T. C. Q. L.
Total Weight Condemned	29. 13. 0. 9.	14. 0. 0.	1. 5. 0. 5.	1. 4. 3. 23.	32. 17. 0. 9.

Part Carcases and Offal Condemned.

Condemned T.B.	3 tons.	15 cwts.	2 Qrs.	24 Lbs.
Condemned Other Diseases ..		13 cwts.	3 Qrs.	21 Lbs.
Approximate weight of Organs Destroyed	92 tons.	4 cwts.	1 Qr.	4 Lbs.
Total Weight of Meat and Organs..	96 tons.	13 cwt.	3 Qrs.	21 Lbs.

Total Weight of Carcases and Organs Destroyed.

129 tons 11 Cwts. 0 Qrs. 2 Lbs.

Tables showing the amount of Meat Condemned and Classification of Diseases from which it was affected.

Diseased Organs Destroyed.

	Cattle.	Per Cent. Affected.	Calves.	Per Cent. Affected.	Sheep.	Per Cent. Affected.	Swine.	Per Cent. Affected.
No. of Animals Killed	15207	—	4238	—	36841	—	11888	—
Lungs.								
Tuberculosis	2643	17·44	4	0·09	7	0·02	164	1·38
Abscesses	28	0·18	2	0·05	8	0·02	1	0·008
Actinomycosis	8	0·05	—	—	—	—	—	—
Congestion	65	0·43	13	0·29	20	0·06	51	0·40
Decomposition	5	0·04	1	0·02	110	0·32	1	0·008
Emphysema	5	0·04	—	—	—	—	—	—
Echinococcus Cysts	65	0·43	—	—	5	0·01	11	0·09
Gangrene	2	0·01	—	—	—	—	—	—
Melanosis	5	0·04	1	0·02	—	—	—	—
Malignant Neoplasms	—	—	—	—	2	0·005	—	—
Oedematous	1	0·006	—	—	8	0·02	1	0·008
Pneumonia (Non T.B.)	13	0·08	—	—	4	0·01	32	0·26
Parasitic Pneumonia	3	0·02	—	—	—	—	12	0·09
Parasitic Diseases	11	0·07	—	—	85	0·24	—	—
Pleurisy	35	0·28	1	0·02	15	0·04	38	0·28
Pulmonary Distoma	37	0·29	—	—	—	—	—	—
Total	2926	19·24	22	0·49	264	0·72	311	2·70
Hearts.								
Tuberculosis	251	1·58	3	0·07	3	0·007	34	0·27
Congestion	15	0·09	9	0·21	14	0·04	8	0·06
Decomposition	3	0·02	1	0·02	105	0·28	1	0·008
Gangrene	1	0·006	—	—	—	—	—	—
Hydro-Pericarditis	1	0·006	—	—	—	—	—	—
Melanosis	—	—	1	0·02	—	—	—	—
Oedematous	1	0·006	—	—	3	0·007	—	—
Parasitic Cysts	—	—	—	—	1	0·002	—	—
Septic Pericarditis	15	0·12	3	0·07	2	0·005	35	0·27
Total	287	1·88	17	0·39	128	0·33	78	0·65
Bowels.								
Tuberculosis	872	5·80	3	0·07	2	0·005	34	0·27
Abscesses	3	0·02	2	0·05	1	0·002	—	—
Actinomycosis	2	0·01	—	—	1	0·002	—	—
Congestion	13	0·08	8	0·18	7	0·02	30	0·25
Decomposition	604	3·90	1	0·02	50	0·15	12	0·09
Enteritis	10	0·07	2	0·05	5	0·01	2	0·016
Fatty Necrosis	2	0·01	—	—	—	—	—	—
Gangrene	1	0·006	—	—	—	—	—	—
Johne's Disease	71	0·49	—	—	—	—	—	—
Parasitic Cysts	—	—	—	—	1	0·002	—	—
Oedematous	1	0·006	—	—	5	0·01	—	—
Swine-Fever	—	—	—	—	—	—	5	0·04
Swine Erysipelas	—	—	—	—	—	—	3	0·024
Pentastomes	1	0·006	—	—	—	—	—	—
Total	1580	10·39	16	0·36	72	0·19	86	0·71

DISEASED ORGANS DESTROYED (Contd.)

	CATTLE.	Per Cent. Affected.	CALVES.	Per Cent. Affected.	SHEEP.	Per Cent. Affected.	SWINE.	Per Cent. Affected.
No. of Animals Killed..	15207	—	4238	—	36841	—	11888	—
UTERI.								
Tuberculosis	273	1·82	3	0·07	—	—	1	0·008
Abscesses	3	0·02	2	0·05	—	—	—	—
Congestion	17	0·12	4	0·08	—	—	9	0·07
Decomposition ..	3	0·02	—	—	—	—	1	0·008
Gangrene	1	0·006	—	—	—	—	—	—
Oedematous	1	0·006	—	—	—	—	—	—
Septic Metritis.. ..	3	0·02	—	—	—	—	—	—
TOTAL ..	301	1·99	9	0·20	—	—	11	0·09
STOMACHS.								
Tuberculosis	559	3·7	3	0·07	2	0·005	11	0·09
Abscesses	17	0·12	2	0·05	—	—	—	—
Actinomycosis.. ..	1	0·006	—	—	1	0·002	—	—
Decomposition ..	5	0·04	3	0·07	1	0·002	101	0·81
Gangrene	1	0·006	—	—	—	—	—	—
Gastritis	17	0·12	1	0·02	2	0·005	8	0·07
Oedematous	5	0·04	—	—	15	0·04	—	—
Traumatism	1	0·006	—	—	1	0·002	—	—
Congestion	7	0·046	7	0·14	14	0·04	10	0·09
TOTAL ..	613	4·03	16	0·35	36	0·096	130	1·86
SPLEENS.								
Tuberculosis	559	3·7	4	0·09	1	0·002	23	0·18
Abscesses	7	0·046	2	0·05	—	—	—	—
Congestion	28	0·18	10	0·20	8	0·02	18	0·14
Decomposition.. ..	3	0·02	1	0·02	103	0·32	1	0·008
Gangrene	1	0·006	—	—	—	—	—	—
Malignant Neoplasms..	—	—	—	—	1	0·002	—	—
Melanosis	—	—	1	0·02	—	—	—	—
Oedematous	1	0·006	—	—	11	0·02	—	—
Traumatism	—	—	—	—	1	0·002	—	—
TOTAL ..	599	3·95	18	0·44	135	0·36	32	0·30
KIDNEYS.								
Tuberculosis	423	2·84	8	0·18	10	0·02	—	—
Abscesses	6	0·04	4	0·09	—	—	—	—
Cystic	16	0·12	—	—	—	0·092	—	—
Congestion	14	0·09	—	—	26	0·05	24	0·21
Decomposition ..	—	—	2	0·05	6	0·014	1	0·008
Fatty Infiltration ..	2	0·01	2	0·05	—	—	—	—
Gangrene	2	0·01	—	—	—	—	—	—
Melanosis	—	—	2	0·05	—	—	—	—
Oedematous	2	0·01	—	—	12	0·03	—	—
Nephritis	30	0·21	10	0·25	—	—	—	—
TOTAL ..	495	3·33	28	0·67	55	0·116	25	0·22

DISEASED ORGANS DESTROYED (Contd.)

	CATTLE.	Per Cent. Affected.	CALVES.	Per Cent. Affected.	SHEEP.	Per Cent. Affected.	SWINE.	Per Cent. Affected.
No. of Animals Killed . .	15207	—	2238	—	36841	—	11888	—
LIVERS.								
Tuberculosis	860	5·72	4	0·09	2	0·005	126	1·01
Abscesses	168	1·10	—	—	11	0·02	—	—
Actinomycosis	5	0·04	—	—	—	—	—	—
Amyloid Degeneration	1	0·006	—	—	—	—	—	—
Bacillary Necrosis . .	9	0·06	—	—	—	—	—	—
Congestion	24	0·16	12	0·27	27	0·06	9	0·07
Cavernous Angioma . .	83	0·55	—	—	—	—	—	—
Capillary Angioma . .	2	0·01	—	—	—	—	—	—
Cirrhosis	174	1·14	—	—	157	0·32	89	0·7
Decomposition . .	5	0·04	1	0·02	113	0·29	1	0·008
Distomatosis	869	5·79	—	—	1222	3·15	—	—
Echinococcus Cysts . .	59	0·42	—	—	8	0·02	41	0·35
Fatty Infiltration . .	6	0·04	—	—	3	0·007	—	—
Gangrene	1	0·006	—	—	—	—	—	—
Hepatitis	3	0·02	—	—	—	—	1	0·008
Melanosis	4	0·03	1	0·02	—	—	—	—
Malignant Neoplasms . .	3	0·02	—	—	1	0·002	—	—
Oedematous	1	0·006	—	—	7	0·02	—	—
Parasitic Condition . .	5	0·04	—	—	71	0·19	8	0·07
Pyogenic Abscesses . .	5	0·04	2	0·05	—	—	—	—
TOTAL . .	2287	15·94	20	0·45	1622	4·43	274	2·39
HEADS.								
Tuberculosis	697	4·53	3	0·07	—	—	263	2·19
Abscesses	4	0·03	2	0·05	—	—	—	—
Actinomycosis	38	0·24	—	—	3	0·007	—	—
Congestion	14	0·09	10	0·32	10	0·02	7	0·07
Decomposition	3	0·02	1	0·002	—	—	—	—
Melanosis	1	0·006	1	0·002	—	—	—	—
Oedematous	1	0·006	—	—	3	0·007	—	—
Traumatism	2	0·02	—	—	—	—	—	—
TOTAL . .	760	4·96	17	0·37	16	0·034	270	2·26
UDDERS.								
Tuberculosis	323	2·15	—	—	—	—	2	0·016
Abscesses	475	3·24	—	—	3	0·007	—	—
Acute Mastitis	3	0·02	—	—	—	—	2	0·016
Chronic Mastitis . .	871	5·96	—	—	—	—	—	—
Congestion	22	0·11	—	—	—	—	—	—
Decomposition . .	94	0·65	—	—	—	—	1	0·008
Gangrene	7	0·046	—	—	—	—	—	—
Oedematous	1	0·006	—	—	3	0·007	—	—
Traumatism	4	0·03	—	—	—	—	—	—
TOTAL . .	1800	12·312	—	—	6	0·014	5	0·040

DISEASED ORGANS DESTROYED (Contd.)

	CATTLE.	Per Cent. Affected.	CALVES.	Per Cent. Affected.	SHEEP.	Per Cent. Affected.	SWINE.	Per Cent. Affected.
No. of Animals Killed	15207	—	4238	—	36841	—	11888	—
TONGUES.								
Tuberculosis	697	4·53	3	0·07	—	—	263	2·19
Abscesses	5	0·04	2	0·05	—	—	—	—
Actinomycosis.. ..	14	0·09	—	—	—	—	—	—
Congestion	7	0·046	10	0·22	—	—	—	—
Oedematous	—	—	—	—	3	0·007	—	—
TOTAL ..	723	4·71	15	0·34	3	0·007	263	2·19
DIAPHRAGMS.								
Tuberculosis	12	0·08	—	—	—	—	—	—
Congestion	14	0·09	—	—	—	—	—	—
Decomposition ..	6	0·04	—	—	—	—	—	—
TOTAL ..	32	0·23	—	—	—	—	—	—
MESENTERIES.								
Tuberculosis	—	—	—	—	—	—	22	0·18
TOTAL ..	—	—	—	—	—	—	22	0·18
TOTAL NO. ORGANS DESTROYED ..	12403	82·43	178	4·00	2337	5·96	1508	12·508

TOTAL WEIGHT OF ORGANS DESTROYED.

Tons.		Cwts.		Qrs.		Lbs.
92	..	4	..	1	..	4

The above weight of organs was calculated from the average weights given below.

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